



# Remedial Summary Report and Limited Deferral Request

Amoco Federal 11 CTB  
New Mexico Oil Conservation Division (NMOCD)  
Incident ID No. nAPP2216547154

Prepared for:  
Chevron Mid-Continent Business Unit (MCBU)

Prepared by:  
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Remedial Summary Report and  
Limited Deferral Request

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# 1. Introduction

On behalf of Chevron Mid-Continent Business Unit (MCBU), AECOM Technical Services, Inc. (AECOM) has prepared this *Remedial Summary Report and Limited Deferral Request* to describe soil excavation and confirmation sampling results associated with remediation activities conducted from July 2024 through April 2025. The remedial activities were conducted to address soil impacts resulting from a produced water release that occurred at the Amoco Federal 11 Central Tank Battery (CTB) spill site in Eddy County, New Mexico (the "Site") in June 2022, as well as other historical impacts that were encountered during delineation of the June 2022 release.

## 2. Site Setting and Background

The Site is located at Latitude 32.31808478° North, Longitude 104.05284149° West, in Eddy County, New Mexico (**Figure 1**). Site features include a caliche well pad, product flow lines, electrical service lines, and an active tank battery and heater-treater battery along the western and southern portions of the pad, respectively. A former oil well with pump jack was located in the central portion of the pad and was plugged and abandoned between late May and mid July 2024. The Site is located on U.S. Bureau of Land Management (BLM) land.

Operations near the Site are for oil and gas exploration, development, production, and storage. The Site is surrounded by other active and inactive well pads to the north, south, east, and west. The Pecos River is located approximately 940 feet west of the western edge of the well pad. New Mexico Salt and Minerals Corporation is located approximately 1.5 miles to the southeast of the Site. No sensitive environmental and/or ecological receptors were identified within the search criteria distances described in 19.15.29.11 and 19.15.29.12.C.(4) New Mexico Administrative Code (NMAC).

The soil underlying the caliche well pad is comprised of fine to very fine silty and gravelly sand generally to a depth of about 3 to 4 feet below ground surface (bgs) but extending as deep as 20 feet bgs near the south-central portion of the pad. Caliche is present as intermittent layers and lenses from as shallow as 1.5 feet bgs to at least 46 feet bgs (the maximum depth drilled at the Site). The caliche ranges in thickness from less than 1 foot to approximately 10 feet thick in some areas. At depths greater than 20 feet bgs, soil lithologies are variable in character but are generally characterized by well-graded, gravelly, fine to medium sand with lesser amounts of clayey sand and low plasticity clays (sandy to silty clay and gravelly clay) extending up to 45 feet bgs in some areas (DB-19). Groundwater was first encountered at approximately 33 feet bgs during installation of a temporary monitor well in May 2024.

### 2.1 Initial Hydrocarbon Release

On June 3, 2022, a release was discovered at the Site, which included approximately 1.6 barrels (bbls) of crude oil and 4.7 bbls of produced water. The release was reported to have occurred when a two-phase liquid sump became plugged and prevented flow, causing the vessel to overflow. One bbl of crude oil was reported to have been recovered from the release area.

As required by the New Mexico Oil Conservation Division (NMOCD) under 19.15.29 NMAC, Chevron's initial response to the releases included:

- Stopping the release at the source,
- Securing the impacted soil area to protect human health and the environment,
- Containing the released crude oil produced water, and

- Recovering one bbl of crude oil.

A Release Notification C-141 Form, dated June 14, 2022, was submitted to the NMOCD. The C-141 Form documents the responsible party, location of the release source, nature, and volume of the release, and initial response to the release. The NMOCD assigned Incident ID # nAPP2216547154 to the Site release. The original C-141 Form is provided in **Appendix A**.

It is noted that the above reported release was considered a minor release (<25 bbls) with a relatively small footprint. Based on the chloride delineation sampling results and age of the well pad, it is evident that historical impacts were encountered, which occurred prior to Chevron's purchase of this asset, while attempting to delineate this minor release, as further described in the following section.

## 2.2 Soil Assessment and Delineation History

The following soil assessment and delineation activities have been conducted at the Site:

- On **August 23, 2022**, initial soil assessment activities were conducted at the Site, which included drilling and sampling of ten hand auger borings (B-1 through B-10) to depths of 3 to 4 feet bgs. Soil samples were collected at 1-foot intervals from each of the borings and field-screened using a photoionization detector (PID) to measure volatile organic vapor concentrations. Soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8021B, total petroleum hydrocarbons (TPH) by EPA Method 8015 NM, and chloride by EPA Method 300.0.
- In **November 2022**, soil delineation samples were collected from ten borings (DB-1 through DB-10) that were drilled to depths ranging from 4 to 10 feet bgs using a combination of hand auger and direct-push drilling and sampling equipment. Soil samples from select borings and depth intervals were submitted for laboratory analysis of chloride and TPH using the methods described above.
- In **February 2023**, borings DB-11 through DB-18 were drilled using air rotary drilling equipment and soil samples were collected for additional horizontal and vertical delineation of chloride-impacted soil. The drilling and sampling activities included the following:
  - Boring DB-11 was drilled to 29 feet bgs using air rotary drilling equipment;
  - Borings DB-12 through DB-14 were drilled to 10 feet bgs using air rotary drilling equipment; and
  - Borings DB-15 through DB-18 were drilled to 5 feet bgs using air rotary drilling equipment.
- In **March 2023**, hand auger borings DB-15A through DB-15C and DB-17A through DB-17C were advanced to depths of 1 to 2 feet bgs and sampled for horizontal delineation of elevated chloride concentrations in shallow soil.
- On **April 17, 2024**, six additional horizontal step-out hand auger borings (DB-19A through 19C and DB-20A through 20C) were advanced to 1 to 2 feet bgs and sampled, at locations north and northeast of the previous sample locations and estimated footprint of impacted soil.
- On **April 23, 2024**, two additional horizontal step-out sample locations (DB-19D and DB-20D) were sampled off the edge of the Amoco pad to the north and northeast.
- On **May 28-30, 2024**, one additional deeper soil boring (DB-19/MW-1) was advanced to a total depth of 46 feet bgs to confirm the presence/absence of groundwater within the upper 51 feet of soils underlying the Site. Soil samples were collected in DB-19/MW-1 at 2-foot intervals from 10 to 18 feet bgs, and chloride was not reported above 600 ppm below 16 feet bgs. A temporary monitoring well (MW-1) was installed as a flush-mount well with 2-inch diameter polyvinyl chloride (PVC) casing and screened from 30 to 45 feet bgs. The soil boring and monitoring well construction log is included in **Appendix B**. Groundwater was encountered at approximately 33 feet bgs during drilling of the monitoring well borehole. Following installation of MW-1, groundwater was observed at a depth of approximately 27.5 feet bgs, indicating that the water-bearing unit occurs under confined conditions.

Groundwater samples were not collected from MW-1 as groundwater is separated by at least 15 feet of soil beyond the deepest chloride exceedance, including clay between 22 to 26 and 30 to 33 feet bgs. The monitoring well was subsequently plugged and abandoned on July 17, 2024.

The soil assessment and delineation activities were documented in the *Delineation Report and Remediation Plan*, dated August 23, 2023, and the *Revised Delineation Report and Remediation Plan*, dated April 29, 2024. The locations of soil borings advanced at the Site from August 2022 through May 2024 are shown on **Figure 2**, and the analytical results from the delineation sampling events described above are presented on **Figure 3A** (TPH) and **Figure 3B** (Chloride). Benzene and BTEX results were below the regulatory limits for all soil samples analyzed. Soil analytical results were compared to Table I, Closure Criteria for Soils Impacted by a Release provided in 19.15.29.12 NMAC, which includes the following regulatory limits:

| Table I<br>Closure Criteria for Soils Impacted by a Release                                                          |                   |           |
|----------------------------------------------------------------------------------------------------------------------|-------------------|-----------|
| Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/L TDS | Constituent       | Limit     |
| ≤ 50 feet bgs                                                                                                        | Chloride          | 600 mg/kg |
|                                                                                                                      | TPH (GRO+DRO+MRO) | 100 mg/kg |
|                                                                                                                      | BTEX              | 50 mg/kg  |
|                                                                                                                      | Benzene           | 10 mg/kg  |

Based on the presence of groundwater observed in monitoring well MW-1 at approximately 27.5 feet bgs, the applicable closure criteria for the Site are 600 milligrams per kilogram (mg/kg) for chloride and 100 mg/kg for TPH. These limits are also consistent with the requirements specified for the upper four feet of soil under 19.15.29.13.D.(1) NMAC for *RESTORATION, RECLAMATION AND RE-VEGETATION*.

### 3. Soil Remediation/Reclamation

Soil remediation/reclamation was performed at the Site from July to September 2024 and April 2025 to address the following regulatory requirements applicable to the site:

- Soil remediation requirements in *Table I, Closure Criteria for Soils Impacted by a Release* provided in 19.15.29.12 NMAC; and
- Soil reclamation requirements under 19.15.29.13.D.(1) NMAC.

Soil remediation/reclamation activities were conducted for the majority of the well pad from July 19 to September 11, 2024. Additional post-excavation drilling and soil sampling for further delineation/confirmation of chloride concentrations was conducted from February 4 to 10, 2025, per the approved *Post-Excavation Sampling Plan*, December 18, 2024. Following decommissioning and removal of product flow lines and meters (Enterprise Assets) in the southeast portion of the well pad in early April 2025, which precluded remedial excavation and sampling in this area in 2024, additional soil remediation/reclamation activities were conducted underneath the former flow lines from April 22 to 25, 2025. Remediation/reclamation was performed by excavation and offsite disposal of impacted soil, following the NMOCD-approved remediation plans. The impacted soil was excavated to depths ranging from 2.0 to 20 feet bgs, as presented on **Figures 4 and 5**. Site photographs documenting the excavation and backfilling activities from July-September 2024 and April 2025 are provided in **Appendix C**. The soil remediation/reclamation activities and associated confirmatory sampling results are summarized below.

## 3.1 2024 Remedial Excavation and Sampling Activities

In conjunction with excavation of impacted soil, confirmation samples were collected from the walls and base of the excavation. Per NMOCD requirements, representative five-point composite samples were collected approximately every 50 linear feet from the walls and approximately every 500 square feet from the base of the excavation. No obvious wet or discolored (stained) areas were observed during excavation activities nor elevated photoionization detector (PID) readings recorded; therefore, no individual grab samples were collected (i.e., all samples are composites). A high-resolution Trimble GPS unit, with an antenna and tripod, was utilized to mark out the planned sampling grid, which was uploaded to the unit prior to field activities, and used in the field to locate each grid both prior to and during sample collection. Sample locations were re-recorded with the GPS if moved from the originally planned location (i.e., primarily wall samples which extended further horizontally following initial results). At locations where the excavation extended to previously reported clean delineation sample locations, those sample results were also utilized to further confirm the removal of the impacted soil (i.e., DB-2, DB-4, DB-5, DB-6, DB-8, DB-11, DB-13, DB-14, DB-15, DB-16, and DB-19), though the number of confirmation samples was not reduced.

The soil excavation activities were completed using a bulldozer, a trackhoe equipped with an excavator bucket, and another trackhoe equipped with a hydraulic hammer for perforating and breaking apart caliche layers. Hydrovac equipment was used to remove surficial soils along active product flow lines and electrical service lines. Multiple abandoned flow lines were identified across the excavation footprint, cleared using hydrovac equipment, and subsequently removed from the excavation area. Samples were also collected along the edges of areas containing active oil and gas infrastructure that could not be fully excavated (i.e., beneath product flow lines, which were later removed in 2025) and where deferral is being requested (i.e., under the heater-treater battery and a small strip under an active electrical line). The soil confirmation samples were collected in clean, laboratory-provided sample containers, labeled, placed on ice in laboratory-provided coolers, and documented on Chain-of-Custody forms. The soil samples were delivered by laboratory courier to the Eurofins Environment Testing analytical laboratory in Midland, Texas (Eurofins Midland).

The soil confirmation samples were submitted for laboratory analysis of chloride by EPA Method 300.0 and TPH by EPA Method 8015 NM. Although no previous exceedances of BTEX were reported at the Site during delineation sampling events, analysis of BTEX by EPA Method 8021B was also conducted, at the request of the NMOCD. Since some sample locations were inadvertently missed for analysis of BTEX and TPH, a variance request was submitted in the above referenced post-excavation sampling plan and later approved by the OCD in the December 19, 2024 sampling plan approval email (**Appendix A**).

Confirmation sample locations which reported chloride and/or TPH concentrations in excess of their applicable reclamation standards (600 mg/kg and 100 mg/kg, respectively) were subsequently excavated to progressively deeper intervals (ranging from 0.25 to 1.00 foot) and resampled until concentrations were reported below the regulatory limits. In addition to utilizing a PID for field screening of soil samples, a field chloride titration kit was also utilized to assist with directing the excavation and sample collection efforts; however, interferences from the caliche soils at the Site made correlation to lab results more challenging/variable at lower concentrations. The confirmation soil sampling results are summarized in **Table 1**. Laboratory analytical reports are provided in **Appendix D**.

### 3.1.1 Confirmatory Excavation Base Sampling and Analytical Results

A total of 112 base confirmation locations were sampled as five-point composite samples, representative of approximately 500 square feet, as shown on **Figures 4** and **5**. Due to persistently reported chloride exceedances, generally between 600 and 1,500 mg/kg, reported in the northwest corner and along the eastern flank of the excavation, as well as a few localized areas across the excavation footprint, several base sample locations in these areas required additional excavation and subsequent resampling with up to seven or eight progressively deeper samples. The final depth intervals (average depth across sampling grid if variable) where soil concentrations were reported below the applicable reclamation standards are provided in parenthesis at each sample location on **Figures 4** and **5**. Since chloride was



the primary constituent of concern, and only three samples initially exceeded for TPH, only the final chloride concentrations are shown on **Figure 4**. BTEX and TPH analytical results are provided in **Table 1**. Across the excavation area, the depths to the excavation base ranged from 2.0 to 20 feet bgs.

For the eastern area, soil was over-excavated down to a very hard caliche rock layer between approximately 15 to 20 feet bgs, to ensure removal of impacted soil, but which precluded the collection of base samples from this portion of the remedial excavation at the time (**Figure 4**). Additional vertical delineation/confirmation soil sampling below the caliche rock layer was later conducted in February 2025 using a sonic drill rig, as described further below in Section 3.2.

### 3.1.2 Confirmatory Excavation Wall Sampling and Analytical Results

A total of 23 wall confirmation locations were sampled as five-part composite samples representative of approximately 50 linear feet along the perimeter of the excavation as shown on **Figures 4** and **5**. The walls of the excavation area were extended horizontally as needed, wherever wall confirmation samples reported chloride concentrations exceeding the reclamation standard (600 mg/kg). The walls were over-excavated and subsequently resampled until soil concentrations were reported below the reclamation standard. The locations of the wall confirmation samples depicted on **Figures 4** and **5** represent the final extents of the remedial excavation area where concentrations were reported below the closure criteria.

## 3.2 2025 Post-Excavation Drilling and Soil Sampling

To address data gaps that remained in the eastern area and the heater-treater battery area following the 2024 soil remediation/reclamation activities, a total of 14 additional soil borings (SB-01 through SB-14) were advanced at the Site using a combination of hand auger and sonic drilling methods from February 4 to 10, 2025, per the approved December 18, 2024 sampling plan. The locations of the soil borings are shown on **Figure 5**, and boring logs are provided in **Appendix B**. The positioning of the boring locations, total depths, and rationale for the additional sampling are discussed in further detail below (and as presented in the December 18, 2024 sampling plan):

- Soil borings SB-01 through SB-08 were drilled to depths of 30 to 35 feet bgs in the eastern area to determine chloride concentrations below the caliche rock layer that was encountered at 15 to 20 feet bgs during the 2024 remedial excavation activities. Soil lithologies observed below 20 feet bgs at these locations were generally characterized by well-graded, gravelly sand, caliche lenses ranging from 1 to 8 feet thick, and minor amounts of clayey sand, sandy clay, and gravelly clay. It is noted that at soil boring SB-02, approximately 2 feet of well-graded, rounded fluvial gravel ranging from small pebbles to large cobbles was encountered from 20 to 22 feet bgs (**Appendix B**).
  - SB-01, SB-02, and SB-04 through SB-08 were positioned at approximately the same locations as where previous chloride exceedances were reported in the eastern area trench that was excavated down to 15 to 20 feet bgs.
  - Soil boring SB-03 was positioned along the approximate western flank of the former trench to demonstrate that chloride exceedances previously reported in the eastern area did not extend further west to shallower portions of the remedial excavation.
- Soil boring SB-09 was drilled to a depth of 20 feet bgs adjacent to the eastern edge of the 2024 excavation footprint to further confirm concentrations for the deeper portion of excavation wall at CSW-2.
- Soil borings SB-10 through SB-14 were drilled to various depths to further refine the horizontal and vertical extents of chloride and TPH exceedances within and immediately adjacent to the heater-treater battery (i.e., where limited deferral is being requested). Soil lithologies at SB-10 were dominated by well-graded gravelly sand and sandy clay. Soil lithologies at SB-11 through SB-14 were dominated by well-graded silty sand with caliche gravel.

- Soil borings SB-10 and SB-11 were drilled to depths of 30 feet bgs and 10 feet bgs, respectively, to further refine the horizontal and vertical delineation of chloride exceedances previously reported at confirmatory excavation wall sample locations CSW-16 and CSW-16A in 2024 (**Table 2**). In addition, approximately 3 to 6 inches of soil was removed via hydrovac to remove stained soil within the heater-treater battery in the area shown on **Figure 5**.
- Soil borings SB-12 through SB-14 were advanced to 4 feet bgs using a hand auger to further refine the horizontal and vertical delineation of chloride and TPH.

A total of 45 soil samples were collected and analyzed for chloride, TPH, and BTEX from the 14 soil borings. The laboratory analytical results for the soil boring samples are presented on **Figure 5** and in **Table 2**, and the associated laboratory analytical reports are included in **Appendix D**. The results of the February 2025 soil drilling and sampling activities are summarized as follows:

- BTEX concentrations were reported below laboratory method detection limits for all samples collected and analyzed, except for one estimated concentration of benzene (0.00152 J mg/kg) reported well below the closure criteria (10 mg/kg) for the soil sample collected from SB-03 (20-21').
- Exceedances of the TPH closure criteria (100 mg/kg) were limited to the upper 1 foot of soils at SB-11 and SB-13, and the upper 2 feet of soil from SB-10 (**Table 2** and **Figure 5**), all of which are located within the heater-treater battery area. TPH concentrations were reported below laboratory detection limits and/or the TPH closure criteria for all other samples collected and analyzed.
- For the eastern area base sample soil borings, chloride concentrations were reported below the applicable closure criteria (600 mg/kg) in samples collected below 20 feet bgs from SB-01 and SB-03 through SB-08, and below 23 feet bgs at SB-02<sup>1</sup>. The uppermost interval at SB-02 (20-22') was reported slightly above 600 mg/kg at 642 mg/kg, however, was vertically delineated above the groundwater and at the next deeper interval (23-24').
- For the eastern area wall sample soil boring (SB-09), chloride concentrations were reported below the applicable closure criteria for the 5-10 foot interval and duplicate sample for the 10-15 foot interval. The parent sample for the 10-15 foot interval and the 15-20 foot intervals were slightly above 600 mg/kg at 609 and 680 respectively.
- For the heater-treater area borings, chloride concentrations were reported below the closure criteria in samples collected below 13 feet bgs at SB-10, below 4 feet bgs at SB-11, and all samples collected at SB-12 and SB-14 (0 to 4 feet bgs). Chloride exceedances were reported up to the maximum sample depths at SB-09 (from 15 to 20 feet bgs) and SB-13 (from 1 to 4 feet bgs).

It is noted that based on a discussion of the post-excavation drilling results with the OCD during a **meeting on February 21, 2025**, the three samples with chloride concentrations slightly over 600, were acceptable and considered residual based on the collected samples, delineation and excavation activities conducted.

### 3.3 2025 Remedial Excavation and Sampling Activities – Enterprise Lines/Area

During the initial remedial excavation and sampling activities conducted in July through September 2024, active product flow lines and meter sheds owned and operated by Enterprise Products Operating LP (Enterprise) were present in the southeast portion of the excavation area. As such, the area underlying

<sup>1</sup> It is noted that an exceedance of the chloride regulatory limit was reported at 642 mg/kg for the soil sample collected from SB-02 at 20 to 22 feet bgs (**Table 2** and **Figure 5**). However, this is the same depth interval in which pebble to cobble-sized fluvial gravel was encountered during drilling (**Appendix B**). Due to the limitations associated with sampling and running laboratory analysis on coarse gravel, it is possible that the laboratory results for this soil sample might not be fully representative of chloride concentrations at this location (i.e., biased high).



the flow lines and meter sheds could not be excavated and sampled in 2024 while the infrastructure was in place. Later in early April 2025, however, Enterprise decommissioned and removed the meter sheds and the aboveground section of the flow lines and capped the section of the flow lines below the ground surface in the southeast portion of the well pad.

Following the decommissioning and removal of the Enterprise infrastructure as described above, additional soil remediation/reclamation activities were conducted in this portion of the Site from April 22 to 25, 2025. The soil excavation activities were completed using hydro-vac, a trackhoe equipped with an excavator bucket, and another trackhoe equipped with a hydraulic hammer for perforating and breaking apart caliche layers. Representative five-point composite samples were collected approximately every 200 square feet from the base of the excavation, which ranged from 4 to 5 feet bgs. Similar to the 2024 excavation activities, a PID and a field chloride titration kit were used for field screening of soil samples and assisting with directing the excavation and sample collection efforts. A total of 4 composite samples were collected from the area underlying the former Enterprise lines (EL-1 through EL-4), and analyzed for chloride, TPH, and BTEX. The laboratory analytical results for the 2025 confirmatory soil samples indicated that all BTEX compounds were reported below laboratory method detection limits, all TPH results were reported below the TPH reclamation standard (100 mg/kg), and all chloride results were reported below the chloride reclamation standard (600 mg/kg) with concentrations ranging from 256 to 298 mg/kg. The results from the 2025 excavation activities are presented in **Table 2** and depicted on **Figure 5**, and the associated analytical reports are included in **Appendix D**.

### 3.4 Backfill Soil Sampling and Analytical Results

For the remedial excavation conducted from July through September 2024, backfill material was sourced from a Chevron-approved native soil pit located west of the Site, on the opposite side of the Pecos River along Refinery Road. Prior to use, six composite samples of backfill material were collected and submitted to Eurofins Midland for analysis of chloride, TPH, and BTEX using the laboratory analytical methods described above. In addition, two additional composite samples were also collected at the approximate halfway point of the backfilling operations to further confirm consistent concentrations. The laboratory analytical results for the backfill samples indicated BTEX and TPH concentrations below laboratory method detection limits and chloride concentrations ranging from 19.8 to 108 mg/kg.

For the additional excavation below the Enterprise product flow lines completed in April 2025, backfill material was sourced from the R360 Red Bluff Facility located at 5053 US Hwy 285, Orla, TX. Prior to use, one composite sample of the backfill material was collected and sampled for chloride, TPH, and BTEX. The laboratory analytical results for the backfill sample indicated BTEX and TPH concentrations below the laboratory method detection limits and/or closure criteria, and a chloride concentration of 214 mg/kg. **Table 3** presents the backfill sample results for both remedial excavation events, and the associated laboratory analytical reports are included in **Appendix D**.

## 4. Soil Disposition and Excavation Backfilling

During the July-September 2024 remedial excavation across the well pad, approximately 10,100 cubic yards of soil was excavated and transported offsite for disposal as oil and gas exploration and production (E&P) exempt waste at the R360 Halfway Facility (NM1-006) located at 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM,. During the April 2025 remedial excavation below the Enterprise flow lines, an additional volume of approximately 326 cubic yards was excavated and transported offsite for disposal as E&P exempt waste at the R360 Red Bluff Facility in Orla, TX,. In total, a combined volume of approximately **10,426 cubic yards** of soil was excavated and transported offsite during the two remedial excavation events. Soil disposal manifests for all loads generated during both excavation events are

provided in **Appendix E**. Following confirmation of clean samples from each of the excavation areas, backfilling was conducted until each portion of the excavation areas were restored to approximately their previous surface elevations. Backfill was placed in lifts and compacted with a combination of track packing, roller, and water truck.

## 5. Request for Limited Deferral

Deferral of soil remediation is proposed for a limited area and relatively small volume of soil (approximately 300 cubic yards) within the bermed area containing the active heater-treater and separator on concrete pads, and a small strip below the electrical service line located directly west of the heater-treater area. The areas requested for limited deferral are shown on **Figure 5**. Excavation in these areas would have required a major facility deconstruction (NMAC 19.15.29.12C.(2)); therefore, remediation of impacted soil through additional excavation and confirmatory sampling in this area is respectfully being requested to be completed when production operations are discontinued at the Site and the active infrastructure and utilities are decommissioned. Confirmation samples for these areas were collected for documentation and chloride concentrations range between 654 to 2,160 mg/kg as presented in **Table 1**. Additional delineation sampling was also conducted during the post-excavation drilling as described above and as shown on **Figure 5**. BTEX and TPH were reported either below the detection limits and/or below the closure criteria with the exception of four shallow samples (0-1 or 1-2') for TPH from the post-excavation drilling, located within the bermed area. A hydro-vac was also utilized during the additional delineation drilling (post-excavation event), to remove the upper 3-6 inches of stained soil from within the bermed area around the oil and gas equipment as shown.

## 6. Conclusions

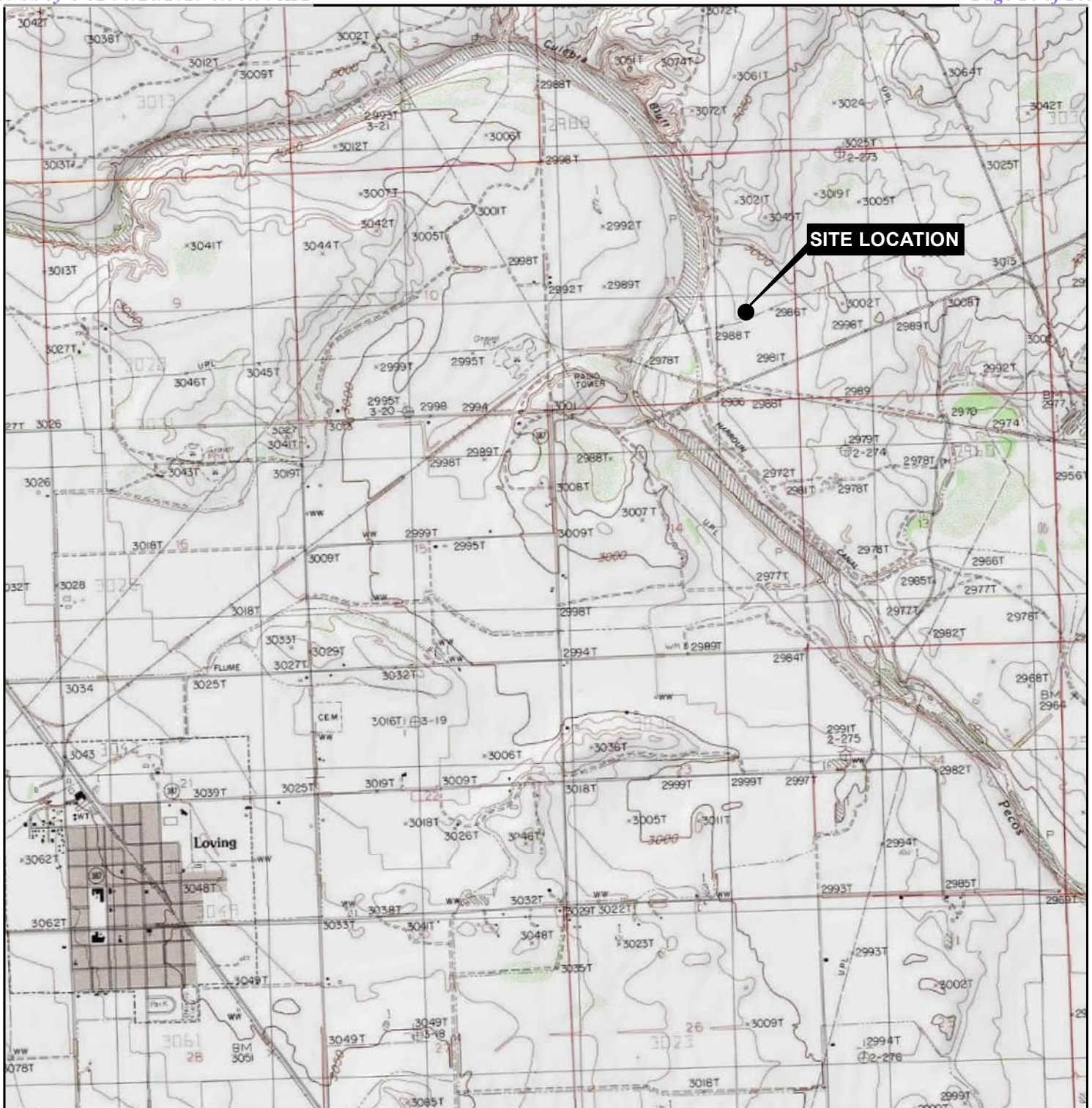
Based on completion of remedial excavation and confirmatory sampling activities, offsite disposal of impacted soil, backfilling with clean, imported soil, and communications with the OCD, no further action is currently considered warranted for the Site due to the following:

- The final excavation wall samples and base confirmation samples exhibited chloride and TPH concentrations below the soil reclamation limits/closure criteria of 600 mg/kg and 100 mg/kg, respectively.
- Post-excavation drilling sample results further confirmed removal of the vast majority of impacted soil and further confirmed vertical delineation above the groundwater.
- Final excavation depths across the remediation area ranged from approximately 2.0 to 20 feet. The total combined volume of impacted soil transported offsite was approximately 10,426 cubic yards.
- Benzene and BTEX concentrations were reported below the closure criteria (10 mg/kg and 50 mg/kg, respectively) and/or laboratory method detection limits for all soil samples collected and analyzed.
- Deferral of soil remediation is proposed for a limited area and relatively small volume of soil (approximately 300 cubic yards) within the bermed area containing the active heater-treater and separator located on concrete pads, and a small strip below the electrical service line located directly northwest of the heater-treater area.

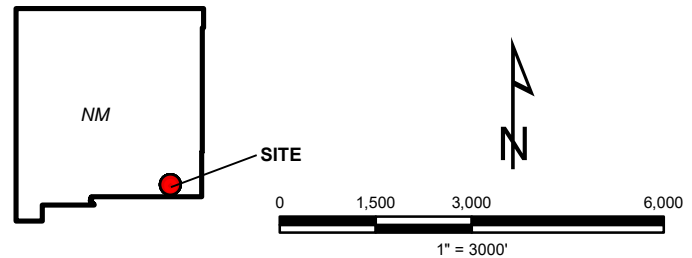
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Limited Deferral Request

# Figures

Last Saved: 9/20/2022  
Document Path: C:\Users\lazar\AECOM\GIS Services - DCS AMERICAS\Cherry\MCBU NM\Workspaces\Eddy County\Amoco Site\Fig01\_SiteLocation.mxd



SOURCE: USA Topo Maps -[http://goto.arcgisonline.com/maps/USA\\_Topo\\_Maps](http://goto.arcgisonline.com/maps/USA_Topo_Maps)



AMOCO FED 11 CTB

SITE LOCATION MAP

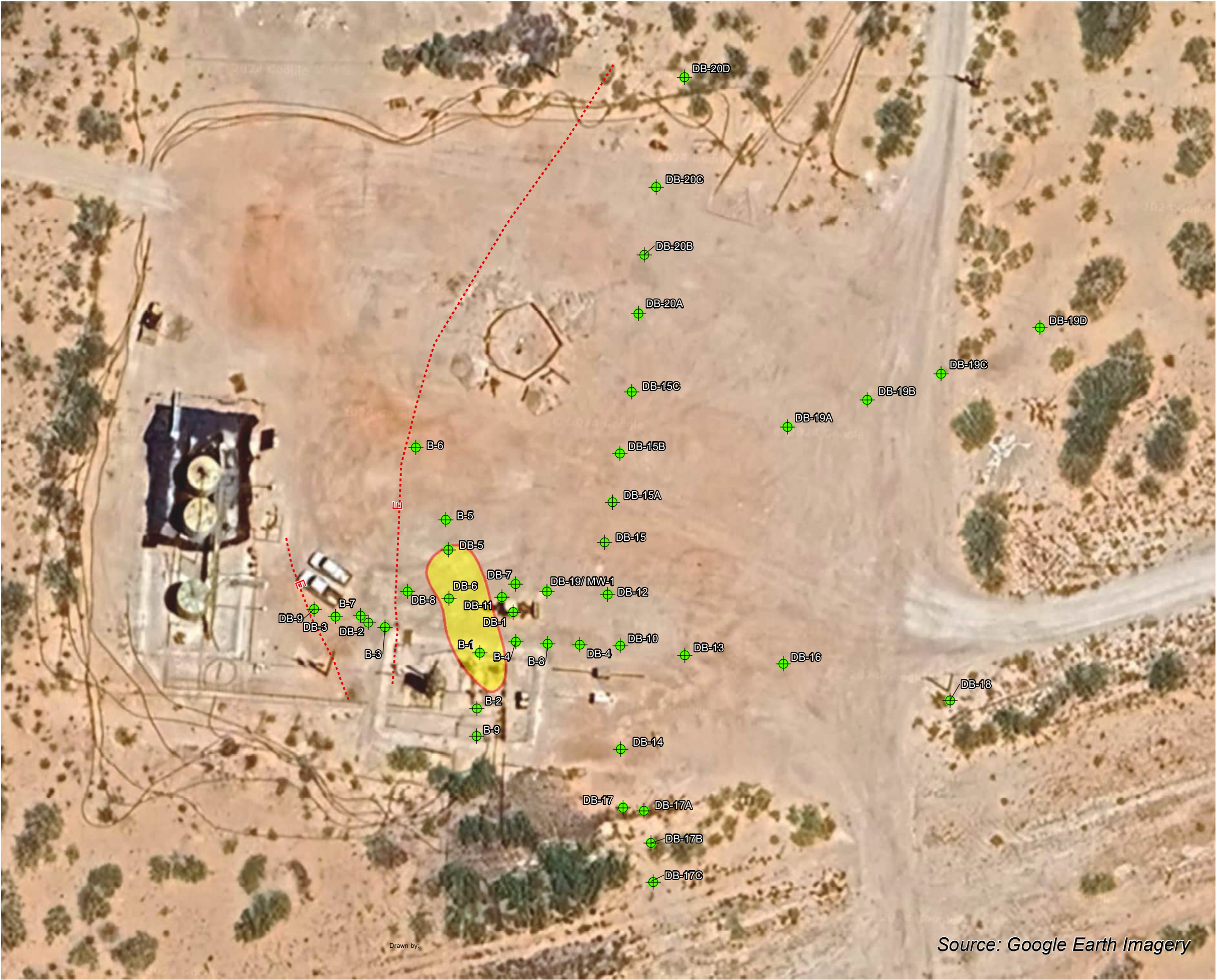
**AECOM**  
Figure: 1

EDDY COUNTY, NEW MEXICO  
PROJECT NO.: 60689116 DATE: 09/20/2022

Released to Imaging: 8/14/2026 5:00:02 PM



Path: C:\Users\Paduraru\OneDrive\AECOM\GIS Services - DCS AMERICA\CS\Chevron\MCBU NM\Workspace\Eddy County\Amoco Site 09\_16\_2024\Figure 2.mxd Date: 9/16/2024



**Legend**

-  Aproximate Extent of Release Area
-  Electric Line
-  Soil Boring

Note:  
All utility locations are approximate



Amoco Federal 11 CTB  
Eddy County, New Mexico

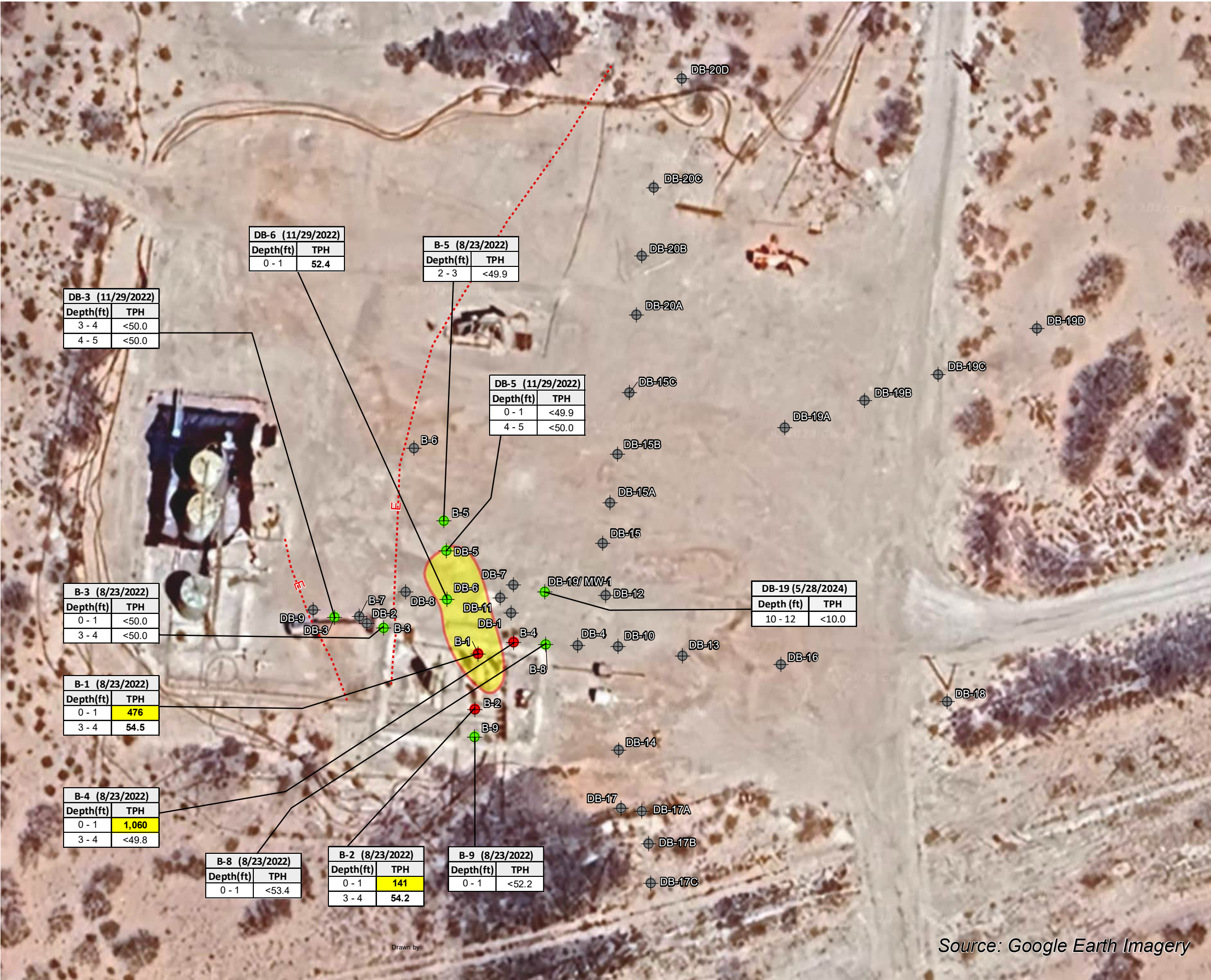
Project Number : 60689116

**Sample Locations Map**

GIS File: Figure 2.mxd

|           |           |         |
|-----------|-----------|---------|
| Drawn by: | Date:     | Figure: |
| POC       | 9/16/2024 | 2       |





Legend

- Aproximate Extent of Release Area
- Electric Line
- Soil Boring with no exceedances
- Soil Boring with exceedance
- Soil Boring not sampled/analyzed

Notes

- Units for all analytical data provided are mg/Kg (milligrams per kilogram).
- Depth (ft) - feet below ground surface.
- Results below the laboratory Sample Detection Limit (SDL) are preceded by "<".
- Bold** values represent detectable concentrations above the SDLs.
- Bold and Shaded** - Reported concentration exceeds NMAC Regulatory Limits.

Regulatory Limits:  
TPH = 100 mg/kg



**AECOM**

Amoco Federal 11 CTB  
Eddy County, New Mexico

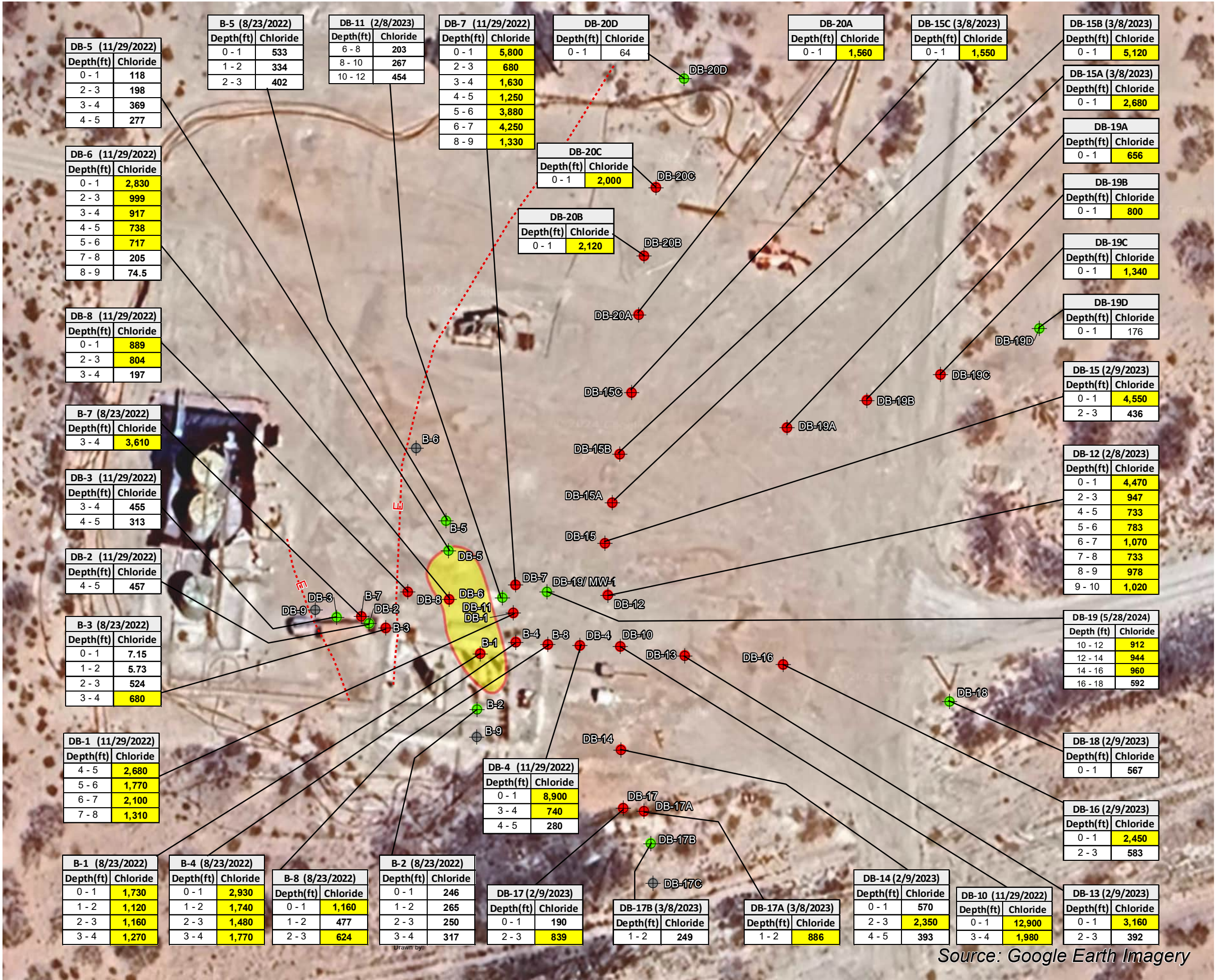
Project Number : 60689116

TPH Soil Sample  
Analytical Results Map

GIS File: Figure 3A.mxd

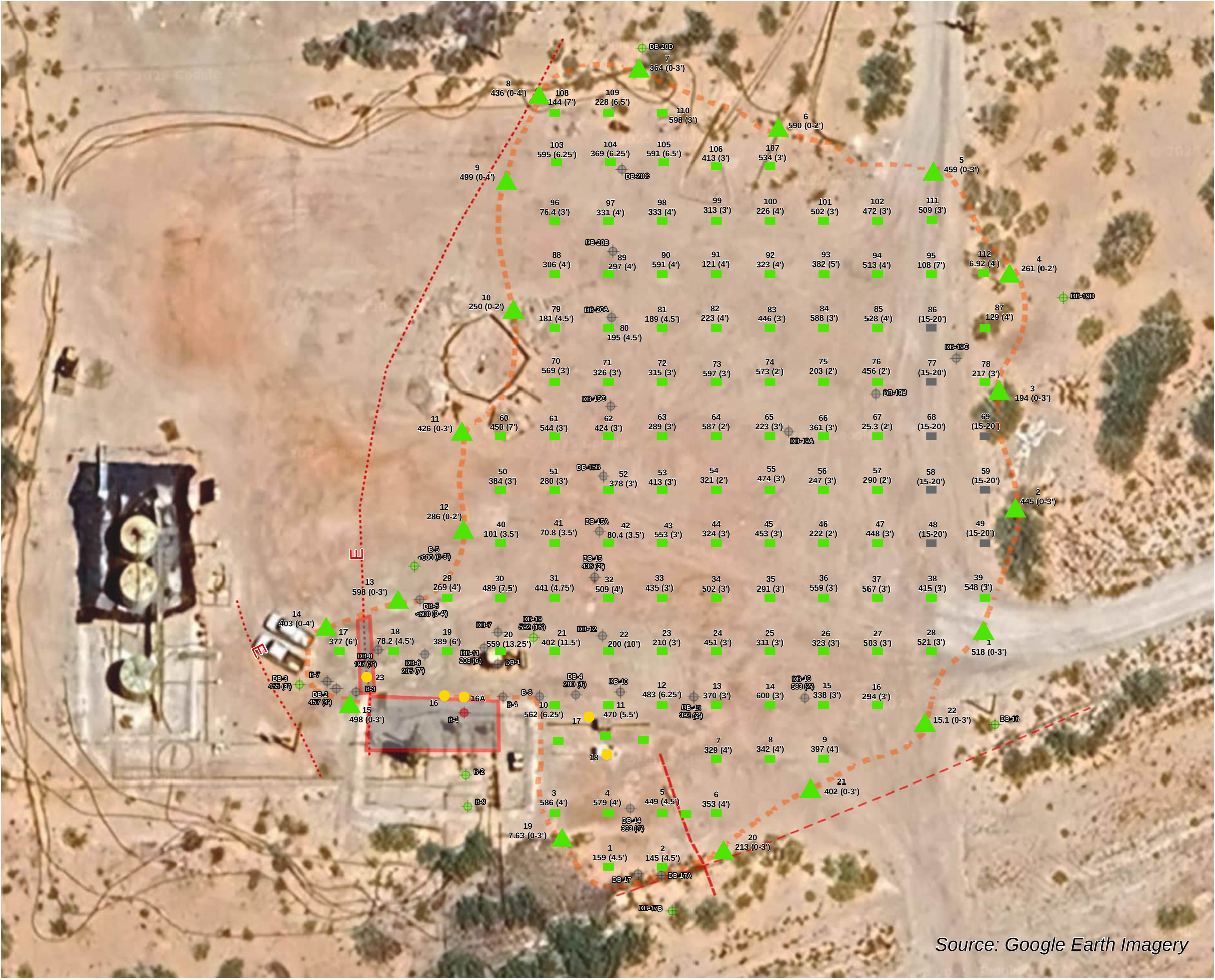
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| POC       | 09/26/2024 | 3A      |







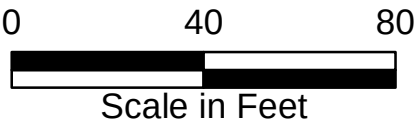
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**Legend**

**DRAFT**

- Proposed Area for Deferral
- Final Excavation Extents
- Electric Line
- Active Chevron Flowline
- Enterprise Lines
- Previous Soil Boring Location with no exceedances
- Previous Soil Boring Location with exceedances (Excavated)
- Previous Soil Boring Location with exceedances (Deferred Area)
- Composite Confirmation Base Samples (every 500 sq ft) with no exceedances
- Soil excavated to competent rock layer – sample not possible
- Composite Confirmation Wall Samples (every 50 ft) with no exceedances
- Deferred Area Sample
- Sample ID
- Average Depth of Sample Grid or Sample Interval
- Chloride Concentration



**AECOM**

Amoco Federal 11 CTB  
Eddy County, New Mexico

Project Number : 60734207

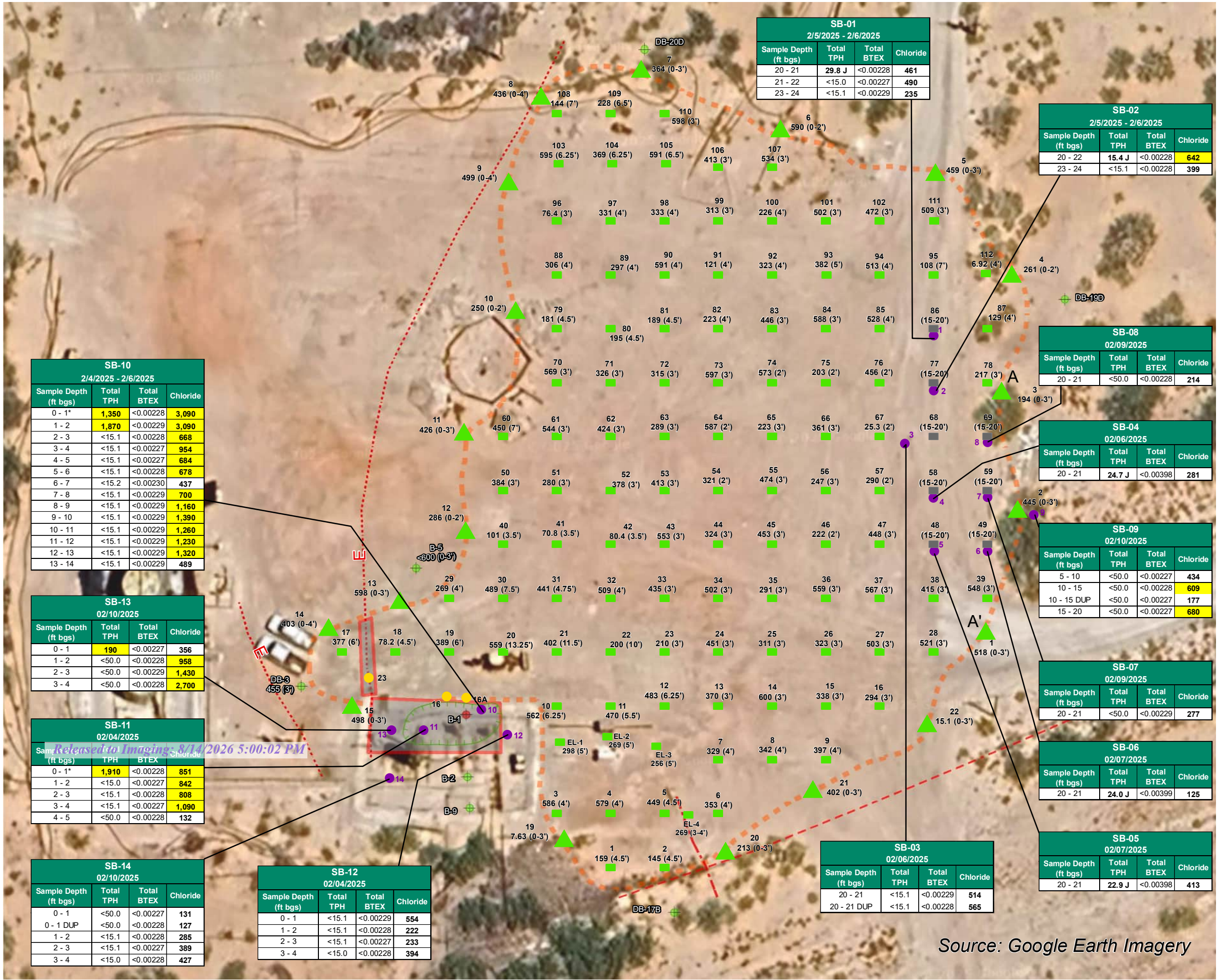
**Remedial Excavation Extents  
with Chloride Sample Results  
(July through August 2024)**

GIS File: Figure 4.mxd

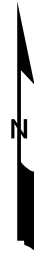
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| Drawn by: | Date:      | Figure: |
| CB        | 2025-05-07 | 4       |



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**DRAFT**



Remedial Summary Report and  
Limited Deferral Request

# Tables



**Table 1**  
**Remedial Excavation Confirmation Soil Analytical Results (BTEX, TPH, Chloride)**  
**Chevron MCBU - Amoco Federal 11 CTB Spill Site**  
**Eddy County, New Mexico**

| Sample Location                                 |                        | Sample ID | Sample Date | Sample Depth (ft bgs) | Total Petroleum Hydrocarbons (SW846 Method 8015 NM) |               |               |                       | Volatile Organic Compounds (SW846 Method 8021B) |          |              |               |            | Chloride (Method EPA 800.0 Anions by Ion Chromatography) |       | PID (ppm) |
|-------------------------------------------------|------------------------|-----------|-------------|-----------------------|-----------------------------------------------------|---------------|---------------|-----------------------|-------------------------------------------------|----------|--------------|---------------|------------|----------------------------------------------------------|-------|-----------|
|                                                 |                        |           |             |                       | GRO (C6-C10)                                        | DRO (C10-C28) | MRO (C28-C36) | Total TPH GRO+DRO+MRO | Benzene                                         | Toluene  | Ethylbenzene | Total Xylenes | Total BTEX | 600                                                      | 600   |           |
| NMAC Regulatory Limits (Groundwater <50 ft bgs) |                        |           |             |                       | 0 - 4 ft bgs                                        | --            | --            | --                    | 100                                             | 10       | --           | --            | --         | 50                                                       | 600   | --        |
|                                                 |                        |           |             |                       | > 4 ft bgs                                          | --            | --            | --                    | 100                                             | 10       | --           | --            | --         | 50                                                       | 600   | --        |
| Confirmation Base Samples                       |                        |           |             |                       |                                                     |               |               |                       |                                                 |          |              |               |            |                                                          |       |           |
| CSB-001                                         | CSB-001-4.0-20240822   | 8/22/2024 | 4.0         | <14.5                 | <15.1                                               | <15.1         | <15.1         | <0.00139              | <0.00200                                        | <0.00109 | <0.00228     | <0.00228      | 670        |                                                          | 2.2   |           |
|                                                 | CSB-001-4.5-20240826   | 8/26/2024 | 4.5         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 159        |                                                          | NM    |           |
| CSB-002                                         | CSB-002-4.0-20240822   | 8/22/2024 | 4.0         | <14.5                 | <15.1                                               | +             | <15.1         | <0.00140              | <0.00201                                        | <0.00109 | <0.00229     | <0.00229      | 858        |                                                          | 2.0   |           |
|                                                 | CSB-002-4.5-20240826   | 8/26/2024 | 4.5         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 145        |                                                          | NM    |           |
| CSB-003                                         | CSB-003-4.0-20240815   | 8/15/2024 | 4.0         | <14.6                 | <15.2                                               |               | <15.2         | <0.00140              | <0.00201                                        | <0.00110 | <0.00230     | <0.00230      | 586        |                                                          | F1 NM |           |
| CSB-004                                         | CSB-004-4.0-20240815   | 8/15/2024 | 4.0         | <14.6                 | <15.3                                               |               | <15.3         | <0.00139              | <0.00200                                        | <0.00109 | <0.00228     | <0.00228      | 579        |                                                          | NM    |           |
| CSB-005                                         | CSB-005-4.0-20240821   | 8/21/2024 | 4.0         | <14.5                 | 17.8                                                | J             | <15.1         | 17.8                  | <0.00140                                        | <0.00201 | <0.00110     | <0.00230      | <0.00230   | 767                                                      |       | NM        |
|                                                 | CSB-005-4.5-20240823   | 8/23/2024 | 4.5         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 449        |                                                          | NM    |           |
| CSB-006                                         | CSB-006-4.0-20240822   | 8/22/2024 | 4           | <14.5                 | <15.1                                               |               | <15.1         | <0.00139              | <0.00200                                        | <0.00109 | <0.00228     | <0.00228      | 353        |                                                          | 1.5   |           |
| CSB-007                                         | CSB-007-4.0-20240822   | 8/22/2024 | 4           | <14.5                 | 15.2                                                | J             | <15.1         | 15.2                  | <0.00139                                        | <0.00200 | <0.00109     | <0.00228      | <0.00228   | 329                                                      |       | 1.4       |
| CSB-008                                         | CSB-008-4.0-20240822   | 8/22/2024 | 4           | <14.5                 | <15.1                                               |               | <15.1         | <0.00140              | <0.00201                                        | <0.00110 | <0.00230     | <0.00230      | 342        |                                                          | 1.7   |           |
| CSB-009                                         | CSB-009-4.0-20240822   | 8/22/2024 | 4           | <14.4                 | <15.0                                               |               | <15.0         | <0.00139              | <0.00200                                        | <0.00109 | <0.00228     | <0.00228      | 397        |                                                          | 2.0   |           |
| CSB-010                                         | CSB-010-4.0-20240813   | 8/13/2024 | 4.0         | <14.4                 | 49.0                                                | J             | <15.0         | 49.0                  | <0.00138                                        | <0.00199 | <0.00108     | <0.00227      | <0.00227   | 601                                                      |       | NM        |
|                                                 | CSB-010-5.5-20240816   | 8/16/2024 | 5.5         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 1,300      |                                                          | NM    |           |
|                                                 | CSB-010-6.0-20240820   | 8/20/2024 | 6.0         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 684        |                                                          | NM    |           |
|                                                 | CSB-010-6.25-20240822  | 8/22/2024 | 6.25        | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 562        |                                                          | NM    |           |
|                                                 | CSB-011-4.0-20240813   | 8/13/2024 | 4.0         | <14.4                 | 18.8                                                | J             | <15.0         | 18.8                  | <0.00140                                        | <0.00201 | <0.00109     | <0.00229      | <0.00229   | 1,530                                                    |       | NM        |
| CSB-011                                         | CSB-011-5.0-20240814   | 8/14/2024 | 5.0         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 1,020      |                                                          | NM    |           |
|                                                 | CSB-011-5.5-20240816   | 8/16/2024 | 5.5         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 470        |                                                          | NM    |           |
| CSB-012                                         | CSB-012-3.0-20240813   | 8/13/2024 | 3.0         | <14.6                 | 40.4                                                | J             | <15.2         | 40.4                  | <0.00139                                        | <0.00200 | <0.00109     | <0.00228      | <0.00228   | 1,520                                                    |       | NM        |
|                                                 | CSB-012-4.0-20240814   | 8/14/2024 | 4.0         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 1,130      |                                                          | NM    |           |
|                                                 | CSB-012-5.5-20240816   | 8/16/2024 | 5.5         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 1,110      |                                                          | NM    |           |
|                                                 | CSB-012-6.0-20240820   | 8/20/2024 | 6.0         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 613        |                                                          | NM    |           |
|                                                 | CSB-012-6.25-20240822  | 8/22/2024 | 6.25        | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 483        |                                                          | NM    |           |
| CSB-013                                         | CSB-013-3.0-20240813   | 8/13/2024 | 3.0         | <14.6                 | 49.5                                                | J             | <15.3         | 49.5                  | <0.00139                                        | <0.00200 | <0.00109     | <0.00229      | <0.00229   | 370                                                      |       | NM        |
| CSB-014                                         | CSB-014-3.0-20240822   | 8/22/2024 | 3.0         | <14.5                 | <15.1                                               |               | <15.1         | <0.00138              | <0.00199                                        | <0.00108 | <0.00227     | <0.00227      | 600        |                                                          | 1.7   |           |
| CSB-015                                         | CSB-015-3.0-20240822   | 8/22/2024 | 3.0         | <14.4                 | <15.0                                               |               | <15.0         | <0.00139              | <0.00200                                        | <0.00109 | <0.00228     | <0.00228      | 338        |                                                          | 1.9   |           |
| CSB-016                                         | CSB-016-3.0-20240822   | 8/22/2024 | 3.0         | <14.5                 | <15.1                                               |               | <15.1         | <0.00140              | <0.00201                                        | <0.00110 | <0.00230     | <0.00230      | 294        |                                                          | 1.5   |           |
|                                                 | CSB-016-DUP-3.0        |           |             | <14.5                 | <15.1                                               |               | <15.1         | <0.00140              | <0.00201                                        | <0.00109 | <0.00229     | <0.00229      | 398        |                                                          |       |           |
| CSB-017                                         | CSB-017-2.5-20240809   | 8/9/2024  | 2.5         | <14.5                 | <15.1                                               |               | <15.1         | <0.00139              | <0.00200                                        | <0.00109 | <0.00228     | <0.00228      | 922        |                                                          | 1.6   |           |
|                                                 | CSB-017-4.0-20240812   | 8/12/2024 | 4.0         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 795        |                                                          | NM    |           |
|                                                 | CSB-017-6.0-20240814   | 8/14/2024 | 6.0         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 377        |                                                          | NM    |           |
|                                                 | CSB-018-4.0-20240806   | 8/6/2024  | 4.0         | <49.8                 | <49.8                                               | <49.8         | <49.8         | <0.00199              | <0.00199                                        | <0.00199 | 0.00407      | 0.00407       | 1,010      |                                                          | NM    |           |
| CSB-018                                         | CSB-018-4.5-20240809   | 8/9/2024  | 4.5         | <14.5                 | 24.7                                                | J             | <15.1         | 24.7                  | <0.00139                                        | <0.00199 | <0.00108     | <0.00228      | <0.00228   | 78.2                                                     | F1    | 2.1       |
|                                                 | CSB-019-6.0-20240806   | 8/6/2024  | 6.0         | <49.8                 | <49.8                                               | <49.8         | <49.8         | <0.00201              | <0.00201                                        | <0.00201 | <0.00402     | <0.00402      | 389        |                                                          | NM    |           |
| CSB-020                                         | CSB-020-10.3-20240809  | 8/9/2024  | 10.3        | <14.5                 | 244                                                 |               | <15.1         | 244                   | <0.00138                                        | <0.00198 | <0.00108     | <0.00226      | <0.00226   | 893                                                      |       | 1.4       |
|                                                 | CSB-020-12.0-20240812  | 8/12/2024 | 12.0        | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 3,140      |                                                          | NM    |           |
|                                                 | CSB-020-13.0-20240814  | 8/14/2024 | 13.0        | <14.5                 | 55.5                                                | F1 B          | <15.1         | 55.5                  | NA                                              | NA       | NA           | NA            | 3,450      |                                                          | NM    |           |
|                                                 | CSB-020-13.25-20240820 | 8/20/2024 | 13.25       | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 559        |                                                          | NM    |           |
|                                                 | CSB-021-10.25-20240809 | 8/9/2024  | 10.25       | <14.5                 | <15.1                                               | <15.1         | <15.1         | <0.00140              | <0.00202                                        | <0.00110 | <0.00230     | <0.00230      | 1,060      |                                                          | 0.1   |           |
| CSB-021                                         | CSB-021-11.5-20240812  | 8/12/2024 | 11.5        | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 402        |                                                          | NM    |           |
|                                                 | CSB-022-10.0-20240808  | 8/8/2024  | 10.0        | <14.5                 | 22.6                                                | J             | <15.1         | 22.6                  | <0.00140                                        | <0.00201 | <0.00109     | <0.00229      | <0.00229   | 200                                                      |       | 0.5       |
| CSB-023                                         | CSB-023-3.0-20240726   | 7/26/2024 | 3.0         | <49.7                 | *1                                                  | <49.7         | *+1           | <49.7                 | <0.00202                                        | <0.00202 | <0.00202     | <0.00404      | <0.00404   | 210                                                      |       | 1.5       |
| CSB-024                                         | CSB-024-3.0-20240726   | 7/26/2024 | 3.0         | <49.7                 | *1                                                  | <49.7         | *+1           | <49.7                 | <0.00201                                        | <0.00201 | <0.00201     | <0.00402      | <0.00402   | 451                                                      |       | 1.7       |
| CSB-025                                         | CSB-025-3.0-20240726   | 7/26/2024 | 3.0         | <50.0                 | *1                                                  | <50.0         | *+1           | <50.0                 | <0.00200                                        | <0.00200 | <0.00200     | <0.00399      | <0.00399   | 311                                                      |       | 2.1       |
| CSB-026                                         | CSB-026-3.0-20240726   | 7/26/2024 | 3.0         | <49.8                 | *1                                                  | <49.8         | *+1           | <49.8                 | <0.00199                                        | <0.00199 | <0.00199     | <0.00398      | <0.00398   | 323                                                      |       | 0.9       |
| CSB-027                                         | CSB-027-3.0-20240726   | 7/26/2024 | 3.0         | <49.8                 | *1                                                  | <49.8         | *+1           | <49.8                 | <0.00199                                        | <0.00199 | <0.00199     | <0.00398      | <0.00398   | 503                                                      |       | 1.2       |
| CSB-028                                         | CSB-028-3.0-20240820   | 8/20/2024 | 3.0         | <14.4                 | <15.0                                               | +             | <15.0         | <0.00139              | <0.00200                                        | <0.00109 | <0.00229     | <0.00229      | 521        |                                                          | 1.9   |           |
|                                                 | CSB-028-3.0-20240828   | 8/28/2024 | 3.0         | <14.4                 | <15.0                                               | <0.00139      | <15.0         | <15.0                 | NA                                              | NA       | NA           | NA            | NA         | NA                                                       | NM    |           |
| CSB-029                                         | CSB-029-4.0-20240806   | 8/6/2024  | 4.0         | <50.0                 | <50.0                                               | <50.0         | <50.0         | <0.00200              | <0.00200                                        | <0.00200 | <0.00399     | <0.00399      | 269        |                                                          | NM    |           |
|                                                 | CSB-030-4.0-20240806   | 8/6/2024  | 4.0         | <49.9                 | <49.9                                               | <49.9         | <49.9         | <0.00199              | <0.00199                                        | <0.00199 | <0.00398     | <0.00398      | 1,060      |                                                          | NM    |           |
| CSB-030                                         | CSB-030-4.75-20240809  | 8/9/2024  | 4.75        | <14.4                 | <15.0                                               | <15.0         | <15.0         | <0.00140              | <0.00201                                        | <0.00109 | <0.00229     | <0.00229      | 631        |                                                          | NM    |           |
|                                                 | CSB-030-5.5-20240812   | 8/12/2024 | 5.5         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 1,610      |                                                          | F1 NM |           |
|                                                 | CSB-030-7.0-20240814   | 8/14/2024 | 7.0         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 1,850      |                                                          | NM    |           |
|                                                 | CSB-030-7.25-20240820  | 8/20/2024 | 7.25        | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 662        |                                                          | NM    |           |
|                                                 | CSB-030-7.5-20240822   | 8/22/2024 | 7.5         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 489        |                                                          | NM    |           |
| CSB-031                                         | CSB-031-4.0-20240806   | 8/6/2024  | 4.0         | <49.9                 | *1                                                  | <49.9         | *1            | <49.9                 | <0.00199                                        | <0.00199 | <0.00199     | <0.00398      | <0.00398   | 602                                                      |       | NM        |
|                                                 | CSB-031-4.75-20240809  | 8/9/2024  | 4.75        | <14.4                 | <15.0                                               | <15.0         | <15.0         | <0.00140              | <0.00201                                        | <0.00110 | <0.00230     | <0.00230      | 441        |                                                          | NM    |           |
| CSB-032                                         | CSB-032-4.0-20240808   | 8/8/2024  | 4.0         | <14.5                 | 40.0                                                | J             | <15.1         | 40.0                  | <0.00139                                        | <0.00200 | <0.00109     | <0.00228      | <0.00228   | 509                                                      |       | 1.2       |
| CSB-033                                         | CSB-033-2.0-20240723   | 7/23/2024 | 2.0         | <50.1                 | <50.1                                               | <50.1         | <50.1         | <0.00199              | +                                               | <0.00199 | <0.00199     | <0.00398      | <0.00398   | 1,380                                                    |       | 0.7       |
|                                                 | CSB-033-3.0-20240726   | 7/26/2024 | 3.0         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | 435        |                                                          | NM    |           |
| CSB-034                                         | CSB-034-2.0-20240719   | 7/19/2024 | 2.0         | <49.7                 | <49.7                                               | *1            | <49.7         | <49.7                 | <0.00200                                        | <0.00200 | <0.00200     | <0.00399      | <0.00399   | 929                                                      | F1    | 2.4       |
|                                                 | CSB-034-3.0-20240724   | 7/24/2024 | 3.0         | NA                    | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       |              |               |            |                                                          |       |           |

**Table 1**  
**Remedial Excavation Confirmation Soil Analytical Results (BTEX, TPH, Chloride)**  
**Chevron MCBU - Amoco Federal 11 CTB Spill Site**  
**Eddy County, New Mexico**



| Sample Location                                 | Sample ID             | Sample Date | Sample Depth (ft bgs) | Total Petroleum Hydrocarbons (SW846 Method 8015 NM) |               |               |                       | Volatile Organic Compounds (SW846 Method 8021B) |          |              |               |            | Chloride (Method EPA 300.9 Anions by Ion Chromatography) | PID (ppm) |
|-------------------------------------------------|-----------------------|-------------|-----------------------|-----------------------------------------------------|---------------|---------------|-----------------------|-------------------------------------------------|----------|--------------|---------------|------------|----------------------------------------------------------|-----------|
|                                                 |                       |             |                       | GRO (C6-C10)                                        | DRO (C10-C28) | MRO (C28-C36) | Total TPH GRO+DRO+MRO | Benzene                                         | Toluene  | Ethylbenzene | Total Xylenes | Total BTEX |                                                          |           |
|                                                 |                       |             |                       | 0 - 4 ft bgs                                        | 100           | --            | 100                   | 10                                              | --       | --           | --            | 50         |                                                          |           |
| NMAC Regulatory Limits (Groundwater <50 ft bgs) |                       |             |                       | > 4 ft bgs                                          | --            | --            | --                    | 10                                              | --       | --           | --            | 50         | 600                                                      | --        |
| CSB-056                                         | CSB-056-2.0-20240719  | 7/19/2024   | 2.0                   | <50.0                                               | <50.0         | <50.0         | <50.0                 | <0.00202                                        | <0.00202 | <0.00202     | <0.00403      | <0.00403   | 669                                                      | 1.9       |
|                                                 | CSB-056-3.0-20240724  | 7/24/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 247                                                      | NM        |
| CSB-057                                         | CSB-057-2.0-20240719  | 7/19/2024   | 2.0                   | <49.9                                               | <49.9         | <49.9         | <49.9                 | <0.00200                                        | <0.00200 | <0.00200     | <0.00399      | <0.00399   | 290                                                      | 2.1       |
| CSB-058                                         | CSB-058-3.0-20240731  | 7/31/2024   | 3.0                   | <14.5                                               | <15.1         | <15.1         | <15.1                 | <0.00139                                        | <0.00200 | <0.00109     | <0.00228      | <0.00228   | 775                                                      | 1.1       |
|                                                 | CSB-058-DUP-3.0       |             |                       | <14.4                                               | <15.0         | <15.0         | <15.0                 | <0.00138                                        | <0.00199 | <0.00108     | <0.00227      | <0.00227   | 990                                                      |           |
|                                                 | CSB-058-3.5-20240812  | 8/12/2024   | 3.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 951                                                      | NM        |
|                                                 | CSB-058-5.0-20240814  | 8/14/2024   | 5.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,240                                                    | NM        |
|                                                 | CSB-058-5.5-20240816  | 8/16/2024   | 5.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 815                                                      | NM        |
| CSB-059                                         | CSB-058-5.75-20240821 | 8/21/2024   | 5.75                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 783                                                      | NM        |
|                                                 | CSB-059-3.0-20240731  | 7/31/2024   | 3.0                   | <14.5                                               | <15.1         | <15.1         | <15.1                 | <0.00139                                        | <0.00199 | <0.00108     | <0.00228      | <0.00228   | 1,010                                                    | 1.0       |
|                                                 | CSB-059-5.0-20240808  | 8/8/2024    | 5.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,130                                                    | NM        |
|                                                 | CSB-059-5.5-20240812  | 8/12/2024   | 5.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,440                                                    | NM        |
|                                                 | CSB-059-6.0-20240814  | 8/14/2024   | 6.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,190                                                    | NM        |
|                                                 | CSB-059-6.25-20240816 | 8/16/2024   | 6.25                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,120                                                    | NM        |
|                                                 | CSB-059-6.5-20240821  | 8/21/2024   | 6.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 644                                                      | NM        |
| CSB-060                                         | CSB-059-13.0-20240823 | 8/23/2024   | 13.0                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 758                                                      | NM        |
|                                                 | CSB-060-3.0-20240730  | 7/30/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,060                                                    | 0.7       |
|                                                 | CSB-060-3.5-20240805  | 8/5/2024    | 3.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,020                                                    | 0.8       |
|                                                 | CSB-060-5.0-20240808  | 8/8/2024    | 5.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 658                                                      | 0.1       |
|                                                 | CSB-060-5.5-20240812  | 8/12/2024   | 5.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 762                                                      | NM        |
| CSB-061                                         | CSB-060-7.0-20240814  | 8/14/2024   | 7.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 450                                                      | NM        |
| CSB-062                                         | CSB-061-3.0-20240730  | 7/30/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 544                                                      | 1.1       |
| CSB-063                                         | CSB-062-3.0-20240729  | 7/29/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 424                                                      | 1.1       |
| CSB-064                                         | CSB-063-3.0-20240729  | 7/29/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 289                                                      | 2.1       |
| CSB-065                                         | CSB-064-3.0-20240723  | 7/23/2024   | 2.0                   | <49.7                                               | <49.8         | <49.7         | <49.7                 | <0.00200                                        | <0.00200 | <0.00399     | <0.00399      | <0.00399   | 567                                                      | 1.3       |
|                                                 | CSB-065-2.0-20240719  | 7/19/2024   | 2.0                   | <49.8                                               | <49.8         | <49.8         | <49.8                 | <0.00199                                        | <0.00199 | <0.00199     | <0.00398      | <0.00398   | 650                                                      | 0.8       |
| CSB-066                                         | CSB-065-3.0-20240724  | 7/24/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 223                                                      | NM        |
|                                                 | CSB-066-2.0-20240719  | 7/19/2024   | 2.0                   | <49.8                                               | <49.8         | <49.8         | <49.8                 | <0.00200                                        | <0.00200 | <0.00200     | <0.00400      | <0.00400   | 692                                                      | 1.4       |
|                                                 | CSB-066-3.0-20240724  | 7/24/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 361                                                      | NM        |
| CSB-067                                         | CSB-067-2.0-20240719  | 7/19/2024   | 2.0                   | <49.9                                               | <49.9         | <49.9         | <49.9                 | <0.00199                                        | <0.00199 | <0.00199     | <0.00398      | <0.00398   | 25.3                                                     | 1.6       |
| CSB-068                                         | CSB-068-3.0-20240731  | 7/31/2024   | 3.0                   | <14.5                                               | <15.1         | <15.1         | <15.1                 | <0.00136                                        | <0.00195 | <0.00106     | <0.00223      | <0.00223   | 964                                                      | 0.7       |
|                                                 | CSB-068-4.0-20240805  | 8/5/2024    | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 691                                                      | NM        |
|                                                 | CSB-068-5.0-20240808  | 8/8/2024    | 5.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 739                                                      | 0.8       |
|                                                 | CSB-068-5.25-20240812 | 8/12/2024   | 5.25                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 988                                                      | NM        |
|                                                 | CSB-068-6.0-20240814  | 8/14/2024   | 6.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,230                                                    | NM        |
|                                                 | CSB-068-6.25-20240816 | 8/16/2024   | 6.25                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,020                                                    | NM        |
|                                                 | CSB-068-6.5-20240821  | 8/21/2024   | 6.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 923                                                      | NM        |
|                                                 | CSB-068-14.0-20240823 | 8/23/2024   | 14.0                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 678                                                      | NM        |
| CSB-069                                         | CSB-069-3.0-20240731  | 7/31/2024   | 3.0                   | <14.5                                               | <15.1         | <15.1         | <15.1                 | <0.00146                                        | <0.00210 | <0.00114     | <0.00240      | <0.00240   | 915                                                      | 0.5       |
|                                                 | CSB-069-4.0-20240805  | 8/5/2024    | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 860                                                      | NA        |
|                                                 | CSB-069-4.5-20240812  | 8/12/2024   | 4.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,250                                                    | NA        |
|                                                 | CSB-069-5.0-20240814  | 8/14/2024   | 5.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,700                                                    | F1        |
|                                                 | CSB-069-5.5-20240816  | 8/16/2024   | 5.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,120                                                    | NM        |
|                                                 | CSB-069-5.75-20240821 | 8/21/2024   | 5.75                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,010                                                    | NM        |
|                                                 | CSB-069-15.0-20240823 | 8/23/2024   | 15.0                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 833                                                      | NM        |
|                                                 | CSB-070-3.0-20240730  | 7/30/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 569                                                      | 0.9       |
| CSB-071                                         | CSB-071-3.0-20240729  | 7/29/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 326                                                      | 1.3       |
| CSB-072                                         | CSB-072-3.0-20240729  | 7/29/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 315                                                      | F1        |
| CSB-073                                         | CSB-073-2.0-20240723  | 7/23/2024   | 2.0                   | <49.8                                               | <49.8         | <49.8         | <49.8                 | <0.00199                                        | <0.00199 | <0.00199     | <0.00398      | <0.00398   | 1,660                                                    | 0.8       |
|                                                 | CSB-073-3.0-20240726  | 7/26/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 597                                                      | 1.2       |
| CSB-074                                         | CSB-074-2.0-20240719  | 7/19/2024   | 2.0                   | <49.9                                               | <49.9         | <49.9         | <49.9                 | <0.00200                                        | <0.00200 | <0.00200     | <0.00399      | <0.00399   | 573                                                      | 1.0       |
| CSB-075                                         | CSB-075-2.0-20240719  | 7/19/2024   | 2.0                   | <49.8                                               | <49.8         | <49.8         | <49.8                 | <0.00199                                        | <0.00199 | <0.00199     | <0.00398      | <0.00398   | 203                                                      | 0.3       |
| CSB-076                                         | CSB-076-2.0-20240719  | 7/19/2024   | 2.0                   | <49.7                                               | <49.7         | <49.7         | <49.7                 | <0.00202                                        | <0.00202 | <0.00202     | <0.00404      | <0.00404   | 456                                                      |           |
|                                                 | CSB-076-DUP-2.0       |             |                       | <49.8                                               | <49.8         | <49.8         | <49.8                 | <0.00200                                        | <0.00200 | <0.00200     | <0.00401      | <0.00401   | 433                                                      | 1.5       |
| CSB-077                                         | CSB-077-3.0-20240731  | 7/31/2024   | 3.0                   | <14.4                                               | <15.0         | <15.0         | <15.0                 | <0.00138                                        | <0.00199 | <0.00108     | <0.00227      | <0.00227   | 1,150                                                    | 0.9       |
|                                                 | CSB-077-4.0-20240805  | 8/5/2024    | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,080                                                    | 0.8       |
|                                                 | CSB-077-5.0-20240808  | 8/8/2024    | 5.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 878                                                      | 1.5       |
|                                                 | CSB-077-5.25-20240812 | 8/12/2024   | 5.25                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 819                                                      | NM        |
|                                                 | CSB-077-6.0-20240814  | 8/14/2024   | 6.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,530                                                    | NM        |
|                                                 | CSB-077-6.25-20240816 | 8/16/2024   | 6.25                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,090                                                    | NM        |
|                                                 | CSB-077-6.5-20240821  | 8/21/2024   | 6.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,030                                                    | NM        |
|                                                 | CSB-077-12.0-20240823 | 8/23/2024   | 12.0                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 830                                                      | NM        |
| CSB-078                                         | CSB-078-3.0-20240801  | 8/1/2024    | 3.0                   | <50.0                                               | <50.0         | <50.0         | <50.0                 | <0.00200                                        | <0.00200 | <0.00200     | <0.00400      | <0.00400   | 217                                                      | 1.0       |
| CSB-079                                         | CSB-079-3.5-20240802  | 8/2/2024    | 3.5                   | <49.7                                               | 84.0          | <49.7         | 84.0                  | <0.00199                                        | <0.00199 | <0.00199     | <0.00398      | <0.00398   | 1,360                                                    | 1.0       |
|                                                 | CSB-079-4.0-20240808  | 8/8/2024    | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 748                                                      | 0.1       |
|                                                 | CSB-079-4.5-20240820  | 8/20/2024   | 4.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 181                                                      | NM        |
|                                                 | CSB-080-3.0-20240802  | 8/2/2024    | 3.0                   | <49.7                                               | <49.7         | <49.7         | <49.7                 | <0.00202                                        | <0.00202 | <0.00202     | <0.00404      | <0.00404   | 1,240                                                    | 1.1       |
|                                                 | CSB-080-4.0-20240808  | 8/8/2024    | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 639                                                      | 0.1       |
| CSB-081                                         | CSB-080-4.5-20240820  | 8/20/2024   | 4.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 195                                                      | NM        |
|                                                 | CSB-081-3.0-20240802  | 8/2/2024    | 3.0                   | <49.7                                               | <49.7         | <49.7         | <49.7                 | <0.00200                                        | <0.00200 | <0.00200     | <0.00399      | <0.00399   | 1,070                                                    | 0.9       |
| CSB-082                                         | CSB-081-4.0-20240808  | 8/8/2024    | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 713                                                      | 0.1       |
|                                                 | CSB-081-4.5-20240820  | 8/20/2024   | 4.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 190                                                      | NM        |
|                                                 | CSB-082-3.0-20240729  | 7/29/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 738                                                      | 1.3       |
| CSB-083                                         | CSB-082-4.0-20240731  | 7/31/2024   | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 223                                                      | NM        |
|                                                 | CSB-083-3.0-20240726  | 7/26/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 446                                                      | F1        |
| CSB-084                                         | CSB-083-DUP-3.0       |             |                       | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 402                                                      | 0.5       |
|                                                 | CSB-084-2.0-20240719  | 7/19/2024   | 2.0                   | <50.0                                               | <50.0         | <50.0         | <50.0                 | <0.00199                                        | <0.00199 | <0.00199     | <0.00398      | <0.00398   | 610                                                      | 1.4       |
| CSB-085                                         | CSB-084-3.0-20240724  | 7/24/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 588                                                      | NM        |
|                                                 | CSB-085-2.0-20240719  | 7/19/2024   | 2.0                   | <49.7                                               | <49.7         | <49.7         | <49.7                 | <0.00200                                        | <0.00200 | <0.00200     | <0.00400      | <0.00400   | 951                                                      | 0.5       |
|                                                 | CSB-085-3.0-20240724  | 7/24/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 654                                                      | NM        |
|                                                 | CSB-085-4.0-20240729  | 7/29/2024   | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 528                                                      | NM        |
|                                                 | CSB-086-3.0-20240731  | 7/31/2024   | 3.0                   | <14.5                                               | <15.1         | <15.1         | <15.1                 | <0.00140                                        | <0.00201 | <0.00110     | <0.00230      | <0.00230   | 984                                                      | 1.2       |
| CSB-086                                         | CSB-086-4.0-20240805  | 8/5/2024    | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,090                                                    | 0.7       |
|                                                 | CSB-086-5.0-20240808  | 8/8/2024    | 5.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,280                                                    | 1.1       |
|                                                 | CSB-086-5.25-20240812 | 8/12/2024   | 5.25                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,200                                                    | NM        |
|                                                 | CSB-086-6.0-20240814  | 8/14/2024   | 6.0                   | NA                                                  | NA            | NA            |                       |                                                 |          |              |               |            |                                                          |           |



Table 1  
Remedial Excavation Confirmation Soil Analytical Results (BTEX, TPH, Chloride)  
Chevron MCBU - Amoco Federal 11 CTB Spill Site  
Eddy County, New Mexico

| Sample Location                                 | Sample ID             | Sample Date | Sample Depth (ft bgs) | Total Petroleum Hydrocarbons (SW846 Method 8015 NM) |               |               |                       | Volatile Organic Compounds (SW846 Method 8021B) |          |              |               |            | Chloride (Method EPA 800.0 Anions by Ion Chromatography) | PID (ppm) |          |     |
|-------------------------------------------------|-----------------------|-------------|-----------------------|-----------------------------------------------------|---------------|---------------|-----------------------|-------------------------------------------------|----------|--------------|---------------|------------|----------------------------------------------------------|-----------|----------|-----|
|                                                 |                       |             |                       | GRO (C6-C10)                                        | DRO (C10-C28) | MRO (C28-C36) | Total TPH GRO+DRO+MRO | Benzene                                         | Toluene  | Ethylbenzene | Total Xylenes | Total BTEX |                                                          |           |          |     |
| NMAC Regulatory Limits (Groundwater <50 ft bgs) |                       |             |                       | 0 - 4 ft bgs > 4 ft bgs                             | --            | --            | --                    | 100 100                                         | 10 10    | --           | --            | --         | 50 50                                                    | 600 600   | --       |     |
| CSB-094                                         | CSB-094-2.0-20240719  | 7/19/2024   | 2.0                   | <50.0                                               | <50.0         | <50.0         | <50.0                 | <0.00200                                        | <0.00200 | <0.00200     | <0.00399      | <0.00399   | 1,200                                                    |           | 1.7      |     |
|                                                 | CSB-094-3.0-20240724  | 7/24/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,060                                                    |           | NM       |     |
|                                                 | CSB-094-4.0-20240726  | 7/26/2024   | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 513                                                      |           | NM       |     |
|                                                 | CSB-095-3.0-20240731  | 7/31/2024   | 3.0                   | <14.5                                               | *+            | <15.1         | <15.1                 | <0.00148                                        | <0.00213 | <0.00116     | <0.00243      | <0.00243   | 896                                                      |           | 0.7      |     |
|                                                 | CSB-095-4.0-20240805  | 8/5/2024    | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,080                                                    |           | 0.6      |     |
| CSB-095                                         | CSB-095-5.0-20240808  | 8/8/2024    | 5.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,280                                                    |           | 0.9      |     |
|                                                 | CSB-095-5.25-20240812 | 8/12/2024   | 5.25                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,320                                                    |           | NM       |     |
|                                                 | CSB-095-6.0-20240814  | 8/14/2024   | 6.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,490                                                    |           | NM       |     |
|                                                 | CSB-095-6.25-20240816 | 8/16/2024   | 6.25                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,420                                                    |           | NM       |     |
|                                                 | CSB-095-6.5-20240821  | 8/21/2024   | 6.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 870                                                      |           | NM       |     |
|                                                 | CSB-095-7.0-20240823  | 8/23/2024   | 7.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 108                                                      |           | NM       |     |
|                                                 | CSB-096-3.0-20240801  | 8/1/2024    | 3.0                   | <49.7                                               | <49.7         | <49.7         | <49.7                 | <0.00201                                        | <0.00201 | <0.00201     | <0.00402      | <0.00402   | 76.4                                                     |           | NM       |     |
| CSB-097                                         | CSB-097-3.5-20240802  | 8/2/2024    | 3.5                   | <49.6                                               | <49.6         | <49.6         | <49.6                 | <0.00200                                        | <0.00200 | <0.00200     | <0.00400      | <0.00400   | 1,810                                                    |           | 0.9      |     |
|                                                 | CSB-097-4.0-20240808  | 8/8/2024    | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 331                                                      |           | 0.1      |     |
| CSB-098                                         | CSB-098-3.0-20240802  | 8/2/2024    | 3.0                   | <49.8                                               | <49.8         | <49.8         | <49.8                 | <0.00202                                        | <0.00202 | <0.00202     | <0.00404      | <0.00404   | 2,120                                                    |           | 1.2      |     |
|                                                 | CSB-098-4.0-20240808  | 8/8/2024    | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 333                                                      | F1        | 0.1      |     |
| CSB-099                                         | CSB-099-3.0-20240729  | 7/29/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 313                                                      |           | 0.8      |     |
| CSB-100                                         | CSB-100-3.0-20240726  | 7/26/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 800                                                      |           | 0.9      |     |
|                                                 | CSB-100-4.0-20240730  | 7/30/2024   | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 226                                                      |           | NM       |     |
| CSB-101                                         | CSB-101-3.0-20240726  | 7/26/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 502                                                      |           | 1.4      |     |
|                                                 | CSB-102-3.0-20240726  | 7/26/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 472                                                      |           | 0.4      |     |
| CSB-103                                         | CSB-103-3.5-20240802  | 8/2/2024    | 3.5                   | <49.8                                               | <49.8         | <49.8         | <49.8                 | <0.00202                                        | <0.00202 | <0.00202     | <0.00404      | <0.00404   | 1,120                                                    |           | 0.8      |     |
|                                                 | CSB-103-4.0-20240808  | 8/8/2024    | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 722                                                      |           | 0.1      |     |
|                                                 | CSB-103-4.5-20240812  | 8/12/2024   | 4.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 799                                                      |           | 0.9      |     |
|                                                 | CSB-103-6.0-20240814  | 8/14/2024   | 6.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 698                                                      | F1        | NM       |     |
|                                                 | CSB-103-6.25-20240816 | 8/16/2024   | 6.25                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 595                                                      |           | NM       |     |
| CSB-104                                         | CSB-104-3.5-20240802  | 8/2/2024    | 3.5                   | <50.0                                               | <50.0         | <50.0         | <50.0                 | <0.00200                                        | <0.00200 | <0.00200     | <0.00399      | <0.00399   | 1,600                                                    |           | 1.1      |     |
|                                                 | CSB-104-4.5-20240808  | 8/8/2024    | 4.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 993                                                      |           | 0.1      |     |
|                                                 | CSB-104-5.0-20240812  | 8/12/2024   | 5.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 727                                                      |           | NM       |     |
|                                                 | CSB-104-6.0-20240814  | 8/14/2024   | 6.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 736                                                      |           | NM       |     |
|                                                 | CSB-104-6.25-20240816 | 8/16/2024   | 6.25                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 369                                                      |           | NM       |     |
| CSB-105                                         | CSB-105-3.0-20240802  | 8/2/2024    | 3.0                   | <49.9                                               | <49.9         | <49.9         | <49.9                 | <0.00201                                        | <0.00201 | <0.00201     | <0.00402      | <0.00402   | 860                                                      |           | 1.1      |     |
|                                                 | CSB-105-4.0-20240808  | 8/8/2024    | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 782                                                      |           | 0.1      |     |
|                                                 | CSB-105-4.5-20240812  | 8/12/2024   | 4.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,330                                                    |           | NM       |     |
|                                                 | CSB-105-6.0-20240814  | 8/14/2024   | 6.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,150                                                    |           | NM       |     |
|                                                 | CSB-105-6.25-20240816 | 8/16/2024   | 6.25                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,230                                                    |           | NM       |     |
| CSB-106                                         | CSB-105-6.5-20240820  | 8/20/2024   | 6.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 591                                                      |           | NM       |     |
| CSB-107                                         | CSB-106-3.0-20240730  | 7/30/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 413                                                      |           | 1.7      |     |
|                                                 | CSB-107-3.0-20240730  | 7/30/2024   | 3.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 534                                                      |           | 2.1      |     |
| CSB-108                                         | CSB-108-4.0-20240805  | 8/5/2024    | 4.0                   | <49.8                                               | <49.8         | <49.8         | <49.8                 | <0.00200                                        | <0.00200 | <0.00200     | <0.00399      | <0.00399   | 911                                                      | F1        | 1.2      |     |
|                                                 | CSB-108-5.25-20240812 | 8/12/2024   | 5.25                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 633                                                      |           | 0.8      |     |
|                                                 | CSB-108-6.0-20240814  | 8/14/2024   | 6.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 727                                                      |           | NM       |     |
|                                                 | CSB-108-6.25-20240816 | 8/16/2024   | 6.25                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 966                                                      |           | NM       |     |
|                                                 | CSB-108-6.5-20240820  | 8/20/2024   | 6.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 704                                                      |           | NM       |     |
|                                                 | CSB-108-6.75-20240822 | 8/22/2024   | 6.75                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 709                                                      |           | NM       |     |
|                                                 | CSB-108-7.0-20240826  | 8/26/2024   | 7.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 144                                                      |           | NM       |     |
| CSB-109                                         | CSB-109-4.0-20240805  | 8/5/2024    | 4.0                   | <49.6                                               | <49.6         | <49.6         | <49.6                 | <0.00202                                        | <0.00202 | <0.00202     | <0.00403      | <0.00403   | 759                                                      |           | 0.5      |     |
|                                                 | CSB-109-5.0-20240808  | 8/8/2024    | 5.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 661                                                      |           | 0.5      |     |
|                                                 | CSB-109-5.25-20240812 | 8/12/2024   | 5.25                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 822                                                      |           | NM       |     |
|                                                 | CSB-109-6.0-20240814  | 8/14/2024   | 6.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 901                                                      |           | NM       |     |
|                                                 | CSB-109-6.25-20240816 | 8/16/2024   | 6.25                  | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 993                                                      |           | NM       |     |
|                                                 | CSB-109-6.5-20240820  | 8/20/2024   | 6.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 228                                                      |           | NM       |     |
| CSB-110                                         | CSB-110-3.0-20240731  | 7/31/2024   | 3.0                   | <14.4                                               | *+            | <15.0         | <15.0                 | <0.00139                                        | <0.00200 | <0.00109     | <0.00229      | <0.00229   | 598                                                      |           | 1.6      |     |
| CSB-111                                         | CSB-111-3.0-20240820  | 8/20/2024   | 3.0                   | <14.5                                               | 15.1          | J             | <15.1                 | 15.1                                            | J        | <0.00139     | <0.00200      | <0.00109   | <0.00229                                                 | 509       | F1       | NM  |
| CSB-112                                         | CSB-112-3.0-20240821  | 8/21/2024   | 3.0                   | <14.5                                               | <15.1         | <15.1         | <15.1                 | <0.00140                                        | <0.00201 | <0.00110     | <0.00230      | <0.00230   | 882                                                      |           | NM       |     |
|                                                 | CSB-112-3.5-20240823  | 8/23/2024   | 3.5                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 622                                                      |           | NM       |     |
|                                                 | CSB-112-4.0-20240827  | 8/27/2024   | 4.0                   | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 692                                                      |           | NM       |     |
| Confirmation Wall Samples                       |                       |             |                       |                                                     |               |               |                       |                                                 |          |              |               |            |                                                          |           |          |     |
| CSW-01                                          | CSW-01-0.3-20240820   | 8/20/2024   | 0 - 3                 | <14.5                                               | <15.1         | <15.1         | <15.1                 | <0.00138                                        | <0.00199 | <0.00108     | <0.00227      | <0.00227   | 751                                                      |           | 1.5      |     |
|                                                 | CSW-01-0.3-20240822   | 8/22/2024   | 0 - 3                 | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 518                                                      | F1        | NM       |     |
| CSW-02                                          | CSW-02-0.3-20240731   | 7/31/2024   | 0 - 3                 | <14.5                                               | *+            | <15.1         | <15.1                 | <0.00140                                        | <0.00201 | <0.00109     | <0.00229      | <0.00229   | 997                                                      |           | 1.0      |     |
|                                                 | CSW-02-0.3-20240812   | 8/12/2024   | 0 - 3                 | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,060                                                    |           | NM       |     |
| CSW-03                                          | CSW-02-0.3-20240814   | 8/14/2024   | 0 - 3                 | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 445                                                      |           | NM       |     |
|                                                 | CSW-03-0.3-20240731   | 7/31/2024   | 0 - 3                 | <14.5                                               | *+            | 15.9          | J                     | <15.1                                           | 15.9     | J            | <0.00138      | <0.00199   | <0.00108                                                 | <0.00227  | <0.00227 | 194 |
| CSW-04                                          | CSW-04-0.3-20240731   | 7/31/2024   | 0 - 3                 | <14.4                                               | <15.0         | <15.0         | <15.0                 | <0.00141                                        | <0.00202 | <0.00110     | <0.00231      | <0.00231   | 698                                                      |           | 1.4      |     |
|                                                 | CSW-04-0.2-20240805   | 8/5/2024    | 0 - 2                 | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 261                                                      |           | NM       |     |
| CSW-05                                          | CSW-05-0.2-20240731   | 7/31/2024   | 0 - 2                 | <14.5                                               | *+            | <15.1         | <15.1                 | <0.00139                                        | <0.00200 | <0.00109     | <0.00228      | <0.00228   | 731                                                      |           | 0.8      |     |
|                                                 | CSW-05-0.3-20240812   | 8/12/2024   | 0 - 3                 | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 1,460                                                    |           | NM       |     |
|                                                 | CSW-05-0.3-20240814   | 8/14/2024   | 0 - 3                 | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 760                                                      |           | NM       |     |
|                                                 | CSW-05-0.3-20240816   | 8/16/2024   | 0 - 3                 | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 820                                                      |           | NM       |     |
|                                                 | CSW-05-0.3-20240820   | 8/20/2024   | 0 - 3                 | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 459                                                      |           | NM       |     |
| CSW-06                                          | CSW-06-0.2-20240731   | 7/31/2024   | 0 - 2                 | <14.5                                               | *+            | <15.1         | <15.1                 | <0.00141                                        | <0.00202 | <0.00110     | <0.00231      | <0.00231   | 634                                                      |           | 0.5      |     |
|                                                 | CSW-06-0.2-20240805   | 8/5/2024    | 0 - 2                 | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 590                                                      |           | NM       |     |
| CSW-07                                          | CSW-07-0.2-20240731   | 7/31/2024   | 0 - 2                 | <14.5                                               | *+            | <15.1         | <15.1                 | <0.00140                                        | <0.00201 | <0.00109     | <0.00229      | <0.00229   | 799                                                      |           | 0.8      |     |
|                                                 | CSW-07-0.2-20240805   | 8/5/2024    | 0 - 2                 | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 888                                                      |           | NM       |     |
|                                                 | CSW-07-0.3-20240808   | 8/8/2024    | 0 - 3                 | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA&gt         |            |                                                          |           |          |     |

Table 1  
Remedial Excavation Confirmation Soil Analytical Results (BTEX, TPH, Chloride)  
Chevron MCBU - Amoco Federal 11 CTB Spill Site  
Eddy County, New Mexico



| Sample Location                                 | Sample ID            | Sample Date | Sample Depth (ft bgs) | Total Petroleum Hydrocarbons (SW846 Method 8015 NM) |               |               |                       | Volatile Organic Compounds (SW846 Method 8021B) |          |              |               |            | Chloride (Method EPA 300.0 Anions by Ion Chromatography) | PID (ppm) |
|-------------------------------------------------|----------------------|-------------|-----------------------|-----------------------------------------------------|---------------|---------------|-----------------------|-------------------------------------------------|----------|--------------|---------------|------------|----------------------------------------------------------|-----------|
|                                                 |                      |             |                       | GRO (C6-C10)                                        | DRO (C10-C28) | MRO (C28-C36) | Total TPH GRO+DRO+MRO | Benzene                                         | Toluene  | Ethylbenzene | Total Xylenes | Total BTEX |                                                          |           |
| NMAC Regulatory Limits (Groundwater <50 ft bgs) |                      |             | 0 - 4 ft bgs          | --                                                  | --            | --            | 100                   | 10                                              | --       | --           | --            | 50         | 600                                                      | --        |
|                                                 |                      |             | > 4 ft bgs            | --                                                  | --            | --            | 100                   | 10                                              | --       | --           | --            | 50         | 600                                                      | --        |
| CSW-22                                          | CSW-22-0-3-20240822  | 8/22/2024   | 0 - 3                 | <14.5                                               | <15.1         | <15.1         | <15.1                 | <0.00140                                        | <0.00201 | <0.00110     | <0.00230      | <0.00230   | 711                                                      | 1.3       |
|                                                 | CSW-22-0-3-20240826  | 8/26/2024   | 0 - 3                 | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 639                                                      | NM        |
|                                                 | CSW-22-0-3-20240828  | 8/28/2024   | 0 - 3                 | NA                                                  | NA            | NA            | NA                    | NA                                              | NA       | NA           | NA            | NA         | 15.1                                                     | NM        |
| CSW-23                                          | CSW-023-0-3-20240821 | 8/21/2024   | 0 - 3                 | <14.5                                               | <15.1         | <15.1         | <15.1                 | <0.00139                                        | <0.00200 | <0.00109     | <0.00229      | <0.00229   | 847                                                      | NM        |
| Enterprise Line Confirmation Samples            |                      |             |                       |                                                     |               |               |                       |                                                 |          |              |               |            |                                                          |           |
| EL-1                                            | EL-1 (5FT)           | 4/22/2025   | 5                     | <49.8                                               | 19.0 JB       | <49.8         | 19.0 J                | <0.00200                                        | <0.00200 | <0.00200     | <0.00399      | <0.00399   | 298                                                      |           |
| EL-2                                            | EL-2 (5FT)           | 4/22/2025   | 5                     | <49.9                                               | 19.1 JB       | <49.9         | 19.1 J                | <0.00200                                        | <0.00200 | <0.00200     | <0.00401      | <0.00401   | 269                                                      |           |
| EL-3                                            | EL-3 (5FT)           | 4/22/2025   | 5                     | <50.0                                               | 19.1 JB       | <50.0         | 19.1 J                | <0.00199                                        | <0.00199 | <0.00199     | <0.00398      | <0.00398   | 256                                                      |           |
| EL-4                                            | EL-4 (3-4FT)         | 4/22/2025   | 3 - 4                 | <49.8                                               | 18.0 JB       | <49.8         | 18.0 J                | <0.00199                                        | <0.00199 | <0.00199     | <0.00398      | <0.00398   | 269                                                      |           |

- Notes:
- 1. Soil analyses performed by Eurofins Environment Testing in Midland, Texas.
  - 2. All analytical data are reported in units of milligrams per kilogram (mg/kg).
  - 3. Regulatory Limits are from 19.15.29 New Mexico Administrative Code (NMAC) - "Closure Criteria for Soils Impacted by a Release."
  - 4. "--" indicates that no applicable regulatory limit exists for that analyte.
  - 5. "ft bgs" - feet below ground surface.
  - 6. "GRO" - Gasoline Range Organic Compounds
  - 7. "DRO" - Diesel Range Organic Compounds
  - 8. "MRO" - Motor Oil/Lube Range Organic Compounds
  - 9. "NA" - Not analyzed.
  - 10. "NM" - Not measured.
  - 11. Results reported below laboratory Sample Detection Limits (SDLs) are preceded by "<".
  - 12. Bold values represent detectable concentrations above the SDLs.
  - 13. Bold and Shaded - Reported concentration exceeds NMAC Regulatory Limits.
  - 14. Results followed by "F1" indicate Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recovery exceeds laboratory control limits.
  - 15. Results followed by "1" indicate that Laboratory Control Sample (LCS) and/or Laboratory Control Sample Duplicate (LCS-D) Relative Percent Difference is outside laboratory control limits.
  - 16. Results followed by "+" indicate that LCS and/or LCS-D is outside laboratory control limits, and result is potentially high-biased.
  - 17. Results followed by "J" indicate an estimated concentration, which is less than the Reporting Limit but greater than or equal to the SDL.
  - 18. Results followed by "B" indicate that the analyte was detected in a laboratory blank.
  - 19. Soil removed down to very hard/competent rock layer - further sampling not possible.
  - 20. Sample collected from deferred area for documentation.



Table 2  
Post-Excavation Soil Analytical Results (BTEX, TPH, Chloride)  
Chevron MCBU - Amoco Federal 11 CTB Spill Site  
Eddy County, New Mexico



| Boring ID                                       | Sample ID         | Sample Date | Sample Depth (ft bgs) | Total Petroleum Hydrocarbons (SW846 Method 8015 NM) |               |               |                       | Volatile Organic Compounds (SW846 Method 8021B) |          |              |               |            | Chloride (Method EPA 300.0 Anions by Ion Chromatography) | PID (ppm) |          |     |
|-------------------------------------------------|-------------------|-------------|-----------------------|-----------------------------------------------------|---------------|---------------|-----------------------|-------------------------------------------------|----------|--------------|---------------|------------|----------------------------------------------------------|-----------|----------|-----|
|                                                 |                   |             |                       | GRO (C6-C10)                                        | DRO (C10-C28) | MRO (C28-C36) | Total TPH GRO+DRO+MRO | Benzene                                         | Toluene  | Ethylbenzene | Total Xylenes | Total BTEX |                                                          |           |          |     |
| NMAC Regulatory Limits (Groundwater <50 ft bgs) |                   |             | 0 - 4 ft bgs          | --                                                  | --            | --            | 100                   | 10                                              | --       | --           | --            | 50         | 600                                                      | --        |          |     |
|                                                 |                   |             | > 4 ft bgs            | --                                                  | --            | --            | 100                   | 10                                              | --       | --           | --            | 50         | 600                                                      | --        |          |     |
| Soil Boring Confirmation Samples                |                   |             |                       |                                                     |               |               |                       |                                                 |          |              |               |            |                                                          |           |          |     |
| SB-01                                           | SB-01 (20-21)     | 2/6/2025    | 20 - 21               | <14.5                                               | 29.8          | J F1          | <15.1                 | 29.8                                            | J        | <0.00139     | <0.00199      | <0.00108   | <0.00228                                                 | 461       | 1.1      |     |
|                                                 | SB-01 (21-22)     | 2/6/2025    | 21 - 22               | <14.4                                               | <15.0         |               | <15.0                 | <15.0                                           |          | <0.00138     | <0.00199      | <0.00108   | <0.00227                                                 | 490       | 1.0      |     |
|                                                 | SB-01 (23-24)     | 2/5/2025    | 23 - 24               | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00229                                                 | 235       | 0.5      |     |
| SB-02                                           | SB-02 (20-22)     | 2/6/2025    | 20 - 22               | <14.5                                               | 15.4          | J             | <15.1                 | 15.4                                            | J        | <0.00139     | <0.00200      | <0.00109   | <0.00228                                                 | 642       | 0.8      |     |
|                                                 | SB-02 (23-24)     | 2/5/2025    | 23 - 24               | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00228                                                 | 399       | 2.1      |     |
| SB-03                                           | SB-03 (20-21)     | 2/6/2025    | 20 - 21               | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | 0.00152      | J             | <0.00200   | <0.00109                                                 | <0.00229  | 514      | 2.5 |
|                                                 | SB-03-DUP (20-21) |             | <14.5                 | <15.1                                               |               | <15.1         | <15.1                 |                                                 | <0.00139 | <0.00199     | <0.00108      | <0.00228   | 565                                                      |           |          |     |
| SB-04                                           | SB-04 (20-21)     | 2/6/2025    | 20 - 21               | <50.0                                               | 24.7          | J             | <50.0                 | 24.7                                            | J        | <0.00199     | <0.00199      | <0.00199   | <0.00398                                                 | <0.00398  | 281      | 2.8 |
| SB-05                                           | SB-05 (20-21)     | 2/7/2025    | 20 - 21               | <49.8                                               | 22.9          | J             | <49.8                 | 22.9                                            | J        | <0.00199     | <0.00199      | <0.00199   | <0.00398                                                 | <0.00398  | 413      | 2.5 |
| SB-06                                           | SB-06 (20-21)     | 2/7/2025    | 20 - 21               | <49.7                                               | 24.0          | J             | <49.7                 | 24.0                                            | J        | <0.00200     | <0.00200      | <0.00200   | <0.00399                                                 | <0.00399  | 125      | 1.8 |
| SB-07                                           | SB-07 (20-21)     | 2/9/2025    | 20 - 21               | <50.0                                               | F2            | <50.0         | <50.0                 | <50.0                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00229                                                 | <0.00229  | 277      | 2.2 |
| SB-08                                           | SB-08 (20-21)     | 2/9/2025    | 20 - 21               | <50.0                                               | <50.0         | <50.0         | <50.0                 | <50.0                                           |          | <0.00139     | <0.00199      | <0.00108   | <0.00228                                                 | <0.00228  | 214      | 2.3 |
| SB-09                                           | SB-09 (5-10)      | 2/10/2025   | 5 - 10                | <49.8                                               | <49.8         | <49.8         | <49.8                 | <50.0                                           |          | <0.00138     | <0.00199      | <0.00108   | <0.00227                                                 | <0.00227  | 434      | 2.5 |
|                                                 | SB-09 (10-15)     | 2/10/2025   | 10 - 15               | <49.8                                               | <49.8         | <49.8         | <49.8                 | <50.0                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00228                                                 | <0.00228  | 609      | 2.8 |
|                                                 | SB-09 DUP (10-15) | 2/10/2025   |                       | <49.9                                               | <49.9         | <49.9         | <49.9                 | <50.0                                           |          | <0.00138     | <0.00199      | <0.00108   | <0.00227                                                 | <0.00227  | 177      |     |
| SB-10                                           | SB-09 (15-20)     | 2/10/2025   | 15 - 20               | <49.8                                               | <49.8         | <49.8         | <49.8                 | <50.0                                           |          | <0.00139     | <0.00199      | <0.00108   | <0.00228                                                 | <0.00228  | 680      | 1.7 |
|                                                 | SB-10 (0-1)       | 2/4/2025    | 0 - 1                 | <14.4                                               | 1,350         |               | <15.0                 | 1,350                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00228                                                 | <0.00228  | 3,090    | 1.9 |
|                                                 | SB-10 (1-2)       | 2/4/2025    | 1 - 2                 | <14.5                                               | 1,870         |               | <15.1                 | 1,870                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00229                                                 | <0.00229  | 3,099    | 2.0 |
|                                                 | SB-10 (2-3)       | 2/4/2025    | 2 - 3                 | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | <0.00139     | <0.00199      | <0.00108   | <0.00228                                                 | <0.00228  | 668      | 4.5 |
|                                                 | SB-10 (3-4)       | 2/4/2025    | 3 - 4                 | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | <0.00138     | <0.00199      | <0.00108   | <0.00227                                                 | <0.00227  | 954      | 3.3 |
|                                                 | SB-10 (4-5)       | 2/6/2025    | 4 - 5                 | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | <0.00138     | <0.00199      | <0.00108   | <0.00227                                                 | <0.00227  | 684      | 1.2 |
|                                                 | SB-10 (5-6)       | 2/6/2025    | 5 - 6                 | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00228                                                 | <0.00228  | 678      | 0.3 |
|                                                 | SB-10 (6-7)       | 2/6/2025    | 6 - 7                 | <14.6                                               | <15.2         |               | <15.2                 | <15.2                                           |          | <0.00140     | <0.00201      | <0.00110   | <0.00230                                                 | <0.00230  | 437      | 0.2 |
|                                                 | SB-10 (7-8)       | 2/6/2025    | 7 - 8                 | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00229                                                 | <0.00229  | 700      | 0.2 |
|                                                 | SB-10 (8-9)       | 2/6/2025    | 8 - 9                 | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | <0.00140     | <0.00201      | <0.00109   | <0.00229                                                 | <0.00229  | 1,160    | 0.5 |
|                                                 | SB-10 (9-10)      | 2/6/2025    | 9 - 10                | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00229                                                 | <0.00229  | 1,390    | 0.7 |
|                                                 | SB-10 (10-11)     | 2/6/2025    | 10 - 11               | <14.5                                               | <15.1         | F1            | <15.1                 | <15.1                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00229                                                 | <0.00229  | 1,260    | 1.9 |
|                                                 | SB-10 (11-12)     | 2/6/2025    | 11 - 12               | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00228                                                 | <0.00228  | 1,230    | 1.5 |
|                                                 | SB-10 (12-13)     | 2/6/2025    | 12 - 13               | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | <0.00140     | <0.00201      | <0.00110   | <0.00230                                                 | <0.00230  | 1,320    | 0.7 |
|                                                 | SB-10 (13-14)     | 2/6/2025    | 13 - 14               | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00229                                                 | <0.00229  | 489      | 0.8 |
|                                                 | SB-11             | SB-11 (0-1) | 2/4/2025              | 0 - 1                                               | <14.5         | 1910          |                       | <15.1                                           | 1910     |              | <0.00139      | <0.00199   | <0.00108                                                 | <0.00228  | <0.00228 | 851 |
| SB-11 (1-2)                                     |                   | 2/4/2025    | 1 - 2                 | <14.4                                               | <15.0         |               | <15.0                 | <15.0                                           |          | <0.00138     | <0.00199      | <0.00108   | <0.00227                                                 | <0.00227  | 842      | 3.1 |
| SB-11 (2-3)                                     |                   | 2/4/2025    | 2 - 3                 | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00228                                                 | <0.00228  | 808      | 2.8 |
| SB-11 (3-4)                                     |                   | 2/4/2025    | 3 - 4                 | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | <0.00138     | <0.00198      | <0.00108   | <0.00227                                                 | <0.00227  | 1,090    | 4.0 |
| SB-11 (4-5)                                     |                   | 2/10/2025   | 4 - 5                 | <50.0                                               | <50.0         | <50.0         | <50.0                 | <50.0                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00228                                                 | <0.00228  | 132      | 4.5 |
| SB-12                                           | SB-12 (0-1)       | 2/4/2025    | 0 - 1                 | <14.5                                               | F1            | <15.1         | F1                    | <15.1                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00229                                                 | <0.00229  | 554      | 2.8 |
|                                                 | SB-12 (1-2)       | 2/4/2025    | 1 - 2                 | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | <0.00139     | <0.00199      | <0.00108   | <0.00228                                                 | <0.00228  | 222      | 4.6 |
|                                                 | SB-12 (2-3)       | 2/4/2025    | 2 - 3                 | <14.5                                               | <15.1         |               | <15.1                 | <15.1                                           |          | <0.00138     | <0.00199      | <0.00108   | <0.00227                                                 | <0.00227  | 233      | 7.5 |
|                                                 | SB-12 (3-4)       | 2/4/2025    | 3 - 4                 | <14.4                                               | <15.0         |               | <15.0                 | <15.0                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00228                                                 | <0.00228  | 394      | 8.5 |
| SB-13                                           | SB-13 (0-1)       | 2/10/2025   | 0 - 1                 | <49.8                                               | 190           |               | <49.8                 | 190                                             |          | <0.00138     | <0.00198      | <0.00108   | <0.00227                                                 | <0.00227  | 356      | 2.2 |
|                                                 | SB-13 (1-2)       | 2/10/2025   | 1 - 2                 | <49.8                                               | <49.8         |               | <49.8                 | <50.0                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00228                                                 | <0.00228  | 958      | 2.7 |
|                                                 | SB-13 (2-3)       | 2/10/2025   | 2 - 3                 | <49.7                                               | <49.7         |               | <49.7                 | <50.0                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00229                                                 | <0.00229  | 1,430    | 2.8 |
|                                                 | SB-13 (3-4)       | 2/10/2025   | 3 - 4                 | <49.8                                               | <49.8         |               | <49.8                 | <50.0                                           |          | <0.00139     | <0.00199      | <0.00108   | <0.00228                                                 | <0.00228  | 2,700    | F1  |
| SB-14                                           | SB-14 (0-1)       | 2/10/2025   | 0 - 1                 | <49.9                                               | <49.9         |               | <49.9                 | <50.0                                           |          | <0.00138     | <0.00199      | <0.00108   | <0.00227                                                 | <0.00227  | 131      | 3.1 |
|                                                 | SB-14 DUP (0-1)   | 2/10/2025   |                       | <49.9                                               | <49.9         |               | <49.9                 | <50.0                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00228                                                 | <0.00228  | 127      |     |
|                                                 | SB-14 (1-2)       | 2/10/2025   | 1 - 2                 | <50.0                                               | <50.0         | <50.0         | <50.0                 | <50.0                                           |          | <0.00139     | <0.00200      | <0.00109   | <0.00229                                                 | <0.00229  | 285      | 3.9 |
| SB-14                                           | SB-14 (2-3)       | 2/10/2025   | 2 - 3                 | <49.8                                               | <49.8         | <49.8         | <49.8                 | <50.0                                           |          | <0.00139     | <0.00199      | <0.00108   | <0.00228                                                 | <0.00228  | 389      | 4.1 |
|                                                 | SB-14 (3-4)       | 2/10/2025   | 3 - 4                 | <49.8                                               | <49.8         | <49.8         | <49.8                 | <50.0                                           |          | <0.00138     | <0.00199      | <0.00108   | <0.00227                                                 | <0.00227  | 427      | 4.6 |

## Notes:

- Soil analyses performed by Eurofins Environment Testing in Midland, Texas.
- All analytical data are reported in units of milligrams per kilogram (mg/kg).
- Regulatory Limits are from 19.15.29 New Mexico Administrative Code (NMAC) - "Closure Criteria for Soils Impacted by a Release."
- "--" Indicates that no applicable regulatory limit exists for that analyte.
- "ft bgs" - feet below ground surface.
- "GRO" - Gasoline Range Organic Compounds
- "DRO" - Diesel Range Organic Compounds
- "MRO" - Motor Oil/Lube Range Organic Compounds
- DUP - field duplicate sample.
- Results reported below laboratory Sample Detection Limits (SDLs) are preceded by "<".
- Bold values represent detectable concentrations above the SDLs.
- Bold and Shaded - Reported concentration exceeds NMAC Regulatory Limits.**
- Results followed by "F1" indicate Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recovery exceeds laboratory control limits.
- Results followed by "F2" indicate MS/MSD relative percent difference (RPD) exceeds laboratory control limits.
- Results followed by "J" indicate an estimated concentration, which is less than the Reporting Limit but greater than or equal to the SDL.
- Results followed by "(\*)" indicate Laboratory Control Sample (LCS) and/or Laboratory Control Sample Duplicate (LCS-D) is outside laboratory control limits, and result is potentially high-biased.
- Results followed by "B" indicate that the analyte was detected in a laboratory blank.

**Table 3**  
**Backfill Soil Analytical Results (BTEX, TPH, Chloride)**  
**Chevron MCBU - Amoco Federal 11 CTB Spill Site**  
**Eddy County, New Mexico**



| Sample Location                                 | Sample ID           | Sample Date | Total Petroleum Hydrocarbons (SW846 Method 8015 NM) |                  |                  |                          | Volatile Organic Compounds (SW846 Method 8021B) |          |              |               |            | Chloride<br>(Method EPA 300.0<br>Anions by Ion<br>Chromatography) |
|-------------------------------------------------|---------------------|-------------|-----------------------------------------------------|------------------|------------------|--------------------------|-------------------------------------------------|----------|--------------|---------------|------------|-------------------------------------------------------------------|
|                                                 |                     |             | GRO<br>(C6-C10)                                     | DRO<br>(C10-C28) | MRO<br>(C28-C36) | Total TPH<br>GRO+DRO+MRO | Benzene                                         | Toluene  | Ethylbenzene | Total Xylenes | Total BTEX |                                                                   |
| NMAC Regulatory Limits (Groundwater <50 ft bgs) |                     |             | --                                                  | --               | --               | 100                      | 10                                              | --       | --           | --            | 50         | 600                                                               |
|                                                 |                     |             | --                                                  | --               | --               | 100                      | 10                                              | --       | --           | --            | 50         | 600                                                               |
| West Pecos River - North Pit                    |                     |             |                                                     |                  |                  |                          |                                                 |          |              |               |            |                                                                   |
| BF-WPRN-N1                                      | BF-WPRN-N1-20240718 | 7/18/2024   | <49.9                                               | <49.9 *1         | <49.9            | <49.9                    | <0.00200                                        | <0.00200 | <0.00200     | <0.00399      | <0.00399   | 34.9                                                              |
| BF-WPRN-N2                                      | BF-WPRN-N2-20240723 | 7/23/2024   | <50.0                                               | <50.0            | <50.0            | <50.0                    | <0.00199 **                                     | <0.00199 | <0.00199     | <0.00398      | <0.00398   | 40.8                                                              |
| BF-WPRN-N3                                      | BF-WPRN-N3-20240723 | 7/23/2024   | <49.9                                               | <49.9            | <49.9            | <49.9                    | <0.00199 **                                     | <0.00199 | <0.00199     | <0.00398      | <0.00398   | 46.0                                                              |
| BF-WPRN-N4                                      | BF-WPRN-N4-20240826 | 8/26/2024   | <14.5                                               | <15.1            | <15.1            | <15.1                    | <0.00140                                        | <0.00201 | <0.00109     | <0.00229      | <0.00229   | 108 F1                                                            |
| BF-WPRN-S1                                      | BF-WPRN-S1-20240718 | 7/18/2024   | <50.0                                               | <50.0 *1         | <50.0            | <50.0                    | <0.00202                                        | <0.00202 | <0.00202     | <0.00404      | <0.00404   | 68.1                                                              |
| BF-WPRN-S2                                      | BF-WPRN-S2-20240723 | 7/23/2024   | <50.0                                               | <50.0            | <50.0            | <50.0                    | <0.00200 **                                     | <0.00200 | <0.00200     | <0.00401      | <0.00401   | 31.5                                                              |
| BF-WPRN-S3                                      | BF-WPRN-S3-20240723 | 7/23/2024   | <49.8                                               | <49.8            | <49.8            | <49.8                    | <0.00201 **                                     | <0.00201 | <0.00201     | <0.00402      | <0.00402   | 19.8                                                              |
| BF-WPRN-S4                                      | BF-WPRN-S4-20240826 | 8/26/2024   | <14.4                                               | <15.0            | <15.0            | <15.0                    | <0.00140                                        | <0.00201 | <0.00110     | <0.00230      | <0.00230   | 94.7                                                              |
| R360 Red Bluff Facility                         |                     |             |                                                     |                  |                  |                          |                                                 |          |              |               |            |                                                                   |
| R360-RB-BF-1                                    | R360-RB-BF-1        | 4/22/2025   | <50.0 *+                                            | <50.0 **         | <50.0            | <50.0                    | <0.00200                                        | 0.00210  | <0.00200     | 0.00343 J     | 0.00553    | 214                                                               |

**Notes:**

- Soil analyses performed by Eurofins Environment Testing in Midland, Texas.
- All analytical data are reported in units of milligrams per kilogram (mg/kg).
- Regulatory Limits are from 19.15.29 New Mexico Administrative Code (NMAC) - "Closure Criteria for Soils Impacted by a Release."
- "--" Indicates that no applicable regulatory limit exists for that analyte.
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- Results reported below laboratory Sample Detection Limits (SDLs) are preceded by "<".
- Bold** values represent detectable concentrations above the SDLs.
- Results followed by (\*1) indicate Laboratory Control Sample (LCS) and/or Laboratory Control Sample Duplicate (LCSD) Relative Percent Difference is outside laboratory control limits.
- Results followed by (+) indicate that LCS and/or LCSD is outside laboratory control limits, and result is potentially high-biased.
- Results followed by "F1" indicate Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recovery exceeds laboratory control limits.



Remedial Summary Report and  
Limited Deferral Request

# Appendix A

## Form C-141 (Amoco Federal 11 CTB) and Project Correspondence

**Wynne, Brad**

---

**From:** Barnhill, Amy <ABarnhill@chevron.com>  
**Sent:** Thursday, December 19, 2024 9:10 AM  
**To:** Wynne, Brad  
**Subject:** The Oil Conservation Division (OCD) has approved the application, Application ID: 413774

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**From:** OCDOnline@state.nm.us <OCDOnline@state.nm.us>  
**Sent:** Thursday, December 19, 2024 9:07 AM  
**To:** Barnhill, Amy <ABarnhill@chevron.com>  
**Subject:** [**\*\*EXTERNAL\*\***] The Oil Conservation Division (OCD) has approved the application, Application ID: 413774

To whom it may concern (c/o Amy Barnhill for CHEVRON U S A INC),

The OCD has approved the submitted *Internal Manual Incident File Supporting Documentation (ENV)* (IM-BNF), for incident ID (n#) nAPP2216547154, with the following conditions:

- **Sampling plan and variance request for the requirement to resample previously sampled locations which were missed for BTEX and TPH during the excavation activities are approved. A complete and accurate report (either a complete remediation closure report or remediation plan, whichever is applicable), is due by 2/28/2025.**

The signed IM-BNF can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,  
Brittany Hall  
Projects Environmental Specialist - A  
505-517-5333  
[Brittany.Hall@emnrd.nm.gov](mailto:Brittany.Hall@emnrd.nm.gov)

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

**From:** [Barnhill, Amy](#)  
**To:** [Wynne, Brad](#)  
**Subject:** The Oil Conservation Division (OCD) has rejected the application, Application ID: 388004  
**Date:** Wednesday, October 2, 2024 1:15:59 PM

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[Report Suspicious](#)

Thank you,  
Amy

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**From:** OCDOnline@state.nm.us <OCDOnline@state.nm.us>  
**Sent:** Wednesday, October 2, 2024 12:05 PM  
**To:** Barnhill, Amy <ABarnhill@chevron.com>  
**Subject:** [**\*\*EXTERNAL\*\***] The Oil Conservation Division (OCD) has rejected the application, Application ID: 388004

To whom it may concern (c/o Amy Barnhill for CHEVRON U S A INC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2216547154, for the following reasons:

- **Numerous confirmation/final samples were not analyzed for all Table I constituents of concern (TPH, BTEX, and chloride) as instructed in the conditions of approval for the remediation plan on 5/8/2024.**
- **Sample analytical results from CSW-02 indicate that the sample was collected from 0-3' bgs. Representative samples of the deeper portions of the excavation walls adjacent to the deeper excavation must be collected and analyzed for TPH, BTEX, and chloride.**
- **Sample depths found on the table and the laboratory analytical results for CSB-048, CSB-049, CSB-058, CSB-059, CSB-068, CSB-069, CSB-077 and CSB-086 do not correlate with the sample depths indicated on the map. Clarify as to why samples were not collected at the total depth of the excavation at these sample locations. Samples must be collected at the total depth of the excavation prior to submitting a closure report.**



- **Include a copy of the analytical results of the samples that were collected from DB-19/MW-1.**
- **The OCD reviews each deferral request on a case-by-case basis. Major facility deconstruction typically involves concrete poured pads, structures, engineered designed facilities that include automation/electrical lines, sprayed in lines, etc. After review, OCD does not consider the remediation of this release to require a major facility deconstruction. A deferral for this release will not be granted and the release will need to be remediated to the most stringent closure criteria.**
- **Include all correspondence via email for extensions, sampling variances, etc. in the next submission.**
- **All additional confirmation samples collected after 10/2/2024 must have appropriate sampling notifications submitted through the OCD permitting website on the C-141N. Sampling notifications must be submitted at least 2 full business days prior to collection pursuant to 19.15.29.12.D.(1)(a) NMAC.**
- **Submit a complete and accurate report through the OCD permitting website by 11/22/2024.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 388004.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,  
Brittany Hall  
Projects Environmental Specialist - A  
505-517-5333  
[Brittany.Hall@emnrd.nm.gov](mailto:Brittany.Hall@emnrd.nm.gov)

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

|                |                |
|----------------|----------------|
| Incident ID    | nAPP2216547154 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Release Notification

### Responsible Party

|                                                                |                                 |
|----------------------------------------------------------------|---------------------------------|
| Responsible Party: Chevron USA                                 | OGRID: 4323                     |
| Contact Name: Amy Barnhill                                     | Contact Telephone: 432-687-7108 |
| Contact email: ABarnhill@chevron.com                           | Incident # (assigned by OCD)    |
| Contact mailing address: 6301 Deauville Blvd Midland, Tx 79706 |                                 |

### Location of Release Source

Latitude 32.31808478 \_\_\_\_\_ Longitude -104.05284149  
(NAD 83 in decimal degrees to 5 decimal places)

|                                 |                      |
|---------------------------------|----------------------|
| Site Name: Amoco Federal 11 CTB | Site Type: Oil       |
| Date Release Discovered: 6-3-22 | API# (if applicable) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| I           | 11      | 23S      | 28E   | Eddy   |

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

|                                                    |                                                                                |                                                                     |
|----------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Crude Oil      | Volume Released (bbls) 1.579                                                   | Volume Recovered (bbls) 1 bbl                                       |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 4.731                                                   | Volume Recovered (bbls) 0                                           |
|                                                    | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate                | Volume Released (bbls)                                                         | Volume Recovered (bbls)                                             |
| <input type="checkbox"/> Natural Gas               | Volume Released (Mcf)                                                          | Volume Recovered (Mcf)                                              |
| <input type="checkbox"/> Other (describe)          | Volume/Weight Released (provide units)                                         | Volume/Weight Recovered (provide units)                             |

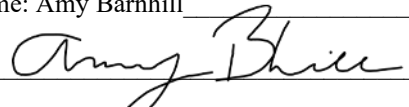
Cause of Release: The two-phase liquid dump was plugged and prevented flow, causing the vessel to overflow.

|                |                |
|----------------|----------------|
| Incident ID    | nAPP2216547154 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

|                                                                                                                                       |                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?                          |                                                                                      |

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <input checked="" type="checkbox"/> The source of the release has been stopped.<br><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.<br><input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.<br><input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.                                                                                                                                                                                                                                                                                               |                         |
| If all the actions described above have <u>not</u> been undertaken, explain why:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.                                                                                                                                                                                                                                                                                                                                                                                      |                         |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |                         |
| Printed Name: Amy Barnhill                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Title: Water Specialist |
| Signature:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Date: 6-14-22           |
| email: ABarnhill@chevron.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Telephone: 432-687-7108 |
| <b><u>OCD Only</u></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         |
| Received by: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Date: _____             |



|                |                |
|----------------|----------------|
| Incident ID    | nAPP2216547154 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Spill Calculations:

### Area 1

Shape: Rectangle

Secondary Containment?: No

Standing Liquid Dimensions: 15 ft x 10 ft x 1 in

Total Volume: 2.310 bbl

Water Cut: 75%

Oil Volume:.578 bbl

Penetration Depth: .25 in

Fluid to Soil Volume: .083 bbl

Water Volume: 1.732 bbl

### Area 2

Shape: Rectangle

Secondary Containment?: No

Standing Liquid Dimensions: 10 ft x 25 ft x .5 in

Total Volume: 1.994 bbl

Water Cut: 75%

Oil Volume: .499 bbl

Penetration Depth: .25 in

Volume to Soil Volume: .139 bbl

Water Volume: 1.495 bbl

### Area 3

Shape: Rectangle

Secondary Containment?: No

Standing Liquid Dimensions: 10 ft x 12 ft x .25 in

Total Volume: .512 bbl

Water Cut: 75%

Oil Volume: .128 bbl

Penetration Depth: .25 in

Fluid to Soil Volume: .067 bbl

Water Volume: 0.384 bbl

### Area 4

Shape: Rectangle

Secondary Containment?: No

Standing Liquid Dimensions: 35 ft x 20 ft x .125 in

Total Volume: 1.494 bbl

Water Cut: 75%

Oil Volume: .374 bbl

Penetration Depth: .125 in

Fluid to Soil Volume: .195 bbl

Water Volume: 1.12 bbl

Remedial Summary Report and  
Limited Deferral Request

## **Appendix B**

# **Soil Boring and Monitoring Well Construction Log**

Bottom of borehole at 30.0 feet.





## BORING LOG - WELL CONSTRUCTION DIAGRAM

BORING NUMBER AMOCO SB-02

PAGE 1 OF 1

CLIENT Chevron MCBUPROJECT NAME MCBU NM Spill SitesPROJECT NUMBER 60743624PROJECT LOCATION Loving, Eddy County, NMDATE STARTED 2/5/25 DRILLING CONTRACTOR Savage Drilling

GROUND ELEVATION \_\_\_\_\_

COMPLETED 2/5/25 DRILLING METHOD Geoprobe GV5 Sonic

GROUND WATER LEVEL \_\_\_\_\_

LOGGED BY J. Lovely CHECKED BY B. ClandAT TIME OF DRILLING ---NOTES Amoco Federal 11 CTB - Post-Remedial Excavation soil boring.LATITUDE 32.318403LONGITUDE -104.052306

Sample Type:

HA-Hand Auger; HSA-Hollow Stem Auger; SSA - Solid Stem Auger; DP- Direct Push; SC - Sonic Core

BOREHOLE DIAMETER 6"

WELL DIAMETER \_\_\_\_\_

| Depth (ft) | Sample Type | Drilling Log | Push/ Recovery (in.) | PID ppm | Sampled Interval | Analysis | Graphic Log | USCS  | MATERIAL DESCRIPTION                                                                                  | Contact Depth |
|------------|-------------|--------------|----------------------|---------|------------------|----------|-------------|-------|-------------------------------------------------------------------------------------------------------|---------------|
| 0          |             |              |                      |         |                  |          |             |       |                                                                                                       |               |
| 5          |             |              |                      |         |                  |          |             | ML    | Backfill material from 2024 excavation activities; dry.                                               |               |
| 10         |             |              |                      |         |                  |          |             |       |                                                                                                       |               |
| 15         |             |              |                      |         |                  |          |             |       |                                                                                                       |               |
| 20         |             |              |                      |         |                  |          |             |       |                                                                                                       |               |
| 20.0       |             |              |                      |         |                  |          |             | GW    | Well-rounded and well-graded fluvial gravel, small pebble to large cobble-sized, unconsolidated; dry. | 20.0          |
| 22.0       |             |              |                      |         |                  |          |             | SW    | Tan-colored, coarse sand; well-graded with abundant subrounded pebbles; dry.                          | 22.0          |
| 25         |             |              |                      |         |                  |          |             |       |                                                                                                       |               |
| 26.0       |             |              |                      |         |                  |          |             | ML    | Tan-colored, hard/indurated caliche; dry.                                                             | 26.0          |
| 27.0       |             |              |                      |         |                  |          |             | SC-SM | Clayey silt to very fine clayey sand; consolidated; clay is low plasticity and medium-soft; moist.    | 27.0          |
| 30         |             |              |                      |         |                  |          |             |       |                                                                                                       |               |
| 30.0       |             |              |                      |         |                  |          |             |       |                                                                                                       | 30.0          |

Bottom of borehole at 30.0 feet.



## BORING LOG - WELL CONSTRUCTION DIAGRAM

BORING NUMBER AMOCO SB-03

PAGE 1 OF 1

CLIENT Chevron MCBUPROJECT NAME MCBU NM Spill SitesPROJECT NUMBER 60743624PROJECT LOCATION Loving, Eddy County, NMDATE STARTED 2/5/25 DRILLING CONTRACTOR Savage Drilling

GROUND ELEVATION \_\_\_\_\_

COMPLETED 2/5/25 DRILLING METHOD Geoprobe GV5 Sonic

GROUND WATER LEVEL \_\_\_\_\_

LOGGED BY J. Lovely CHECKED BY B. ClandAT TIME OF DRILLING ---NOTES Amoco Federal 11 CTB - Post-Remedial Excavation soil boring.LATITUDE 32.318343LONGITUDE -104.052309

Sample Type:

HA-Hand Auger; HSA-Hollow Stem Auger; SSA - Solid Stem Auger; DP- Direct Push; SC - Sonic Core

BOREHOLE DIAMETER 6"

WELL DIAMETER \_\_\_\_\_

| Depth (ft) | Sample Type | Drilling Log | Push/ Recovery (in.) | PID ppm | Sampled Interval | Analysis | Graphic Log | USCS | MATERIAL DESCRIPTION                                                                      | Contact Depth |
|------------|-------------|--------------|----------------------|---------|------------------|----------|-------------|------|-------------------------------------------------------------------------------------------|---------------|
| 0          |             |              |                      |         |                  |          |             |      |                                                                                           |               |
|            |             |              |                      |         |                  |          |             | ML   | Backfill material from 2024 excavation activities; dry.                                   |               |
|            |             |              |                      |         |                  |          |             | ML   | Light grey, hard/indurated caliche; dry.                                                  | 3.0           |
| 5          | SC          |              | 84<br>84             |         |                  |          |             | SW   | Light tan to brown, fine sand, well-graded with subangular caliche gravel; dry.           | 8.0           |
|            |             |              |                      |         |                  |          |             | ML   | Light grey, hard/indurated caliche; dry.                                                  | 11.0          |
| 10         | SC          |              | 60<br>60             |         |                  |          |             | SW   | Reddish-brown, well-graded, fine to medium sand; dry.                                     | 13.0          |
|            |             |              |                      |         |                  |          |             | SW   | Light brown, clayey fine sand, consolidated, clay is low plasticity and medium-soft; dry. | 19.0          |
| 15         | SC          |              | 60<br>60             |         |                  |          |             | SW   | Light brown, coarse sand, well-graded with rounded pebbles to cobbles; dry.               | 21.0          |
|            |             |              |                      |         |                  |          |             | SW   | Reddish-brown, coarse sand, well-graded with subrounded gravel; moist.                    | 24.0          |
| 20         | SC          |              | 60<br>60             |         |                  |          |             | SW   | Medium brown, well-graded, coarse sand; wet.                                              | 27.0          |
|            |             |              |                      |         |                  |          |             |      |                                                                                           |               |
| 25         | SC          |              | 60<br>60             |         |                  |          |             |      |                                                                                           |               |
|            |             |              |                      |         |                  |          |             |      |                                                                                           |               |
| 30         | SC          |              | 60<br>60             |         |                  |          |             |      |                                                                                           |               |

Bottom of borehole at 30.0 feet.



## BORING LOG - WELL CONSTRUCTION DIAGRAM

BORING NUMBER AMOCO SB-04

PAGE 1 OF 1

CLIENT Chevron MCBUPROJECT NAME MCBU NM Spill SitesPROJECT NUMBER 60743624PROJECT LOCATION Loving, Eddy County, NMDATE STARTED 2/6/25 DRILLING CONTRACTOR Savage Drilling

GROUND ELEVATION \_\_\_\_\_

COMPLETED 2/6/25 DRILLING METHOD Geoprobe GV5 Sonic

GROUND WATER LEVEL \_\_\_\_\_

LOGGED BY J. Lovely CHECKED BY B. ClandAT TIME OF DRILLING ---NOTES Amoco Federal 11 CTB - Post-Remedial Excavation soil boring.LATITUDE 32.318281LONGITUDE -104.052312

Sample Type:

HA-Hand Auger; HSA-Hollow Stem Auger; SSA - Solid Stem Auger; DP- Direct Push; SC - Sonic Core

BOREHOLE DIAMETER 6"

WELL DIAMETER \_\_\_\_\_

| Depth (ft) | Sample Type | Drilling Log | Push/ Recovery (in.) | PID ppm | Sampled Interval  | Analysis      | Graphic Log | USCS | MATERIAL DESCRIPTION                                                                                                               | Contact Depth |
|------------|-------------|--------------|----------------------|---------|-------------------|---------------|-------------|------|------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 0          |             |              |                      |         |                   |               |             |      |                                                                                                                                    |               |
| 5          |             |              |                      |         |                   |               |             |      |                                                                                                                                    |               |
| 10         |             |              |                      |         |                   |               |             |      |                                                                                                                                    |               |
| 15         |             |              |                      |         |                   |               |             |      |                                                                                                                                    |               |
| 20         |             |              |                      |         |                   |               |             |      |                                                                                                                                    |               |
| 25         | SC          |              | 60                   | 60      | (20-21') (21-22') | TPH, BTEX, CI |             | ML   | Backfill material from 2024 excavation activities; dry.                                                                            |               |
| 27.0       | SC          |              | 60                   | 60      | (22-23') (23-24') | TPH, BTEX, CI |             | SW   | Brownish-yellow, <b>fine sand</b> , well-graded with abundant (up to 25%) subangular caliche gravel; dry.                          | 27.0          |
| 28.0       | SC          |              | 60                   | 60      | (24-25') (25-26') | TPH, BTEX, CI |             | CL   | Reddish-brown, <b>gravelly clay</b> ; contains up to 20% subrounded gravel; clay is low plasticity and medium-soft; dry.           | 28.0          |
| 30.0       | SC          |              | 60                   | 60      | (26-27') (27-28') | TPH, BTEX, CI |             | SW   | Brownish-yellow, <b>fine sand</b> , well-graded with abundant (up to 25%) subangular caliche gravel; dry.                          | 30.0          |
| 34.0       | SC          |              | 60                   | 60      | (28-29') (29-30') | TPH, BTEX, CI |             | CL   | Dark reddish-brown, <b>gravelly clay</b> ; contains up to 10% subrounded gravel; clay is medium plasticity and medium-soft; moist. | 34.0          |
| 35.0       | SC          |              | 60                   | 60      |                   |               |             | SW   | Medium-brown, well-graded, <b>gravelly sand</b> ; contains up to 25% rounded gravel; wet.                                          | 35.0          |

Bottom of borehole at 35.0 feet.

Released to Imaging: 8/14/2026 5:00:02 PM





## BORING LOG - WELL CONSTRUCTION DIAGRAM

BORING NUMBER AMOCO SB-05

PAGE 1 OF 1

CLIENT Chevron MCBUPROJECT NAME MCBU NM Spill SitesPROJECT NUMBER 60743624PROJECT LOCATION Loving, Eddy County, NMDATE STARTED 2/7/25 DRILLING CONTRACTOR Savage Drilling

GROUND ELEVATION \_\_\_\_\_

COMPLETED 2/7/25 DRILLING METHOD Geoprobe GV5 Sonic

GROUND WATER LEVEL \_\_\_\_\_

LOGGED BY J. Lovely CHECKED BY B. ClandAT TIME OF DRILLING ---NOTES Amoco Federal 11 CTB - Post-Remedial Excavation soil boring.LATITUDE 32.31822LONGITUDE -104.052313

Sample Type:

HA-Hand Auger; HSA-Hollow Stem Auger; SSA - Solid Stem Auger; DP- Direct Push; SC - Sonic Core

BOREHOLE DIAMETER 6"

WELL DIAMETER \_\_\_\_\_

| Depth<br>(ft) | Sample Type | Drilling Log | Push/<br>Recovery (in.) | PID<br>ppm | Sampled Interval | Analysis      | Graphic<br>Log | USCS | MATERIAL DESCRIPTION                                                                                                           | Contact Depth |
|---------------|-------------|--------------|-------------------------|------------|------------------|---------------|----------------|------|--------------------------------------------------------------------------------------------------------------------------------|---------------|
| 0             |             |              |                         |            |                  |               |                |      |                                                                                                                                |               |
| 5             |             |              |                         |            |                  |               |                |      |                                                                                                                                |               |
| 10            |             |              |                         |            |                  |               |                |      |                                                                                                                                |               |
| 15            |             |              |                         |            |                  |               |                |      |                                                                                                                                |               |
| 20            |             |              |                         |            |                  |               |                |      |                                                                                                                                |               |
| 20            | SC          |              | 60                      | 60         | 2.5 (20-21')     | TPH, BTEX, CI |                | SW   | Reddish-brown, fine <b>gravelly sand</b> ; well-graded with abundant (approx. 30-35%) subrounded caliche gravel; dry.          | 20.0          |
|               |             |              |                         |            | 2.1 (21-22')     | TPH, BTEX, CI |                |      |                                                                                                                                |               |
|               |             |              |                         |            | 2.4 (22-23')     | TPH, BTEX, CI |                |      |                                                                                                                                |               |
|               |             |              |                         |            | 0.9 (23-24')     | TPH, BTEX, CI |                | CL   | Tannish to reddish-brown, <b>sandy to silty clay</b> ; well-graded with abundant (approx. 25%) subangular caliche gravel; dry. | 23.0          |
| 25            |             |              |                         |            | 1.5 (24-25')     | TPH, BTEX, CI |                |      |                                                                                                                                |               |
|               |             |              |                         |            | 1.3 (25-26')     | TPH, BTEX, CI |                |      |                                                                                                                                |               |
|               |             |              |                         |            | 1.2 (26-27')     | TPH, BTEX, CI |                | ML   | White to tan-colored, hard/indurated <b>caliche</b> ; dry.                                                                     | 26.0          |
|               | SC          |              | 60                      | 60         | 1.0 (27-28')     | TPH, BTEX, CI |                | SW   | Brownish-yellow, well-graded, <b>gravelly sand</b> ; contains up to 20% gravel; dry.                                           | 27.0          |
|               |             |              |                         |            |                  |               |                | CL   | Reddish-brown, <b>sandy clay</b> ; clay is medium plasticity and medium-soft; moist.                                           | 28.0          |
| 30            |             |              |                         |            |                  |               |                |      |                                                                                                                                | 30.0          |

Bottom of borehole at 30.0 feet.



## BORING LOG - WELL CONSTRUCTION DIAGRAM

BORING NUMBER AMOCO SB-06

PAGE 1 OF 1

CLIENT Chevron MCBUPROJECT NAME MCBU NM Spill SitesPROJECT NUMBER 60743624PROJECT LOCATION Loving, Eddy County, NMDATE STARTED 2/7/25 DRILLING CONTRACTOR Savage Drilling

GROUND ELEVATION \_\_\_\_\_

COMPLETED 2/7/25 DRILLING METHOD Geoprobe GV5 Sonic

GROUND WATER LEVEL \_\_\_\_\_

LOGGED BY J. Lovely CHECKED BY B. ClandAT TIME OF DRILLING ---NOTES Amoco Federal 11 CTB - Post-Remedial Excavation soil boring.LATITUDE 32.318218LONGITUDE -104.052241

Sample Type:

HA-Hand Auger; HSA-Hollow Stem Auger; SSA - Solid Stem Auger; DP- Direct Push; SC - Sonic Core

BOREHOLE DIAMETER 6"

WELL DIAMETER \_\_\_\_\_

| Depth<br>(ft) | Sample Type | Drilling Log | Push/<br>Recovery (in.) | PID<br>ppm | Sampled Interval | Analysis | Graphic<br>Log | USCS  | MATERIAL DESCRIPTION                                                                                                                        | Contact Depth |
|---------------|-------------|--------------|-------------------------|------------|------------------|----------|----------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 0             |             |              |                         |            |                  |          |                |       |                                                                                                                                             |               |
|               |             |              | 60                      | 60         |                  |          |                | SM    | Medium brown, poorly-graded, <b>silty sand</b> ; dry.                                                                                       |               |
|               |             |              |                         |            |                  |          |                |       |                                                                                                                                             | 3.0           |
|               |             |              | 60                      | 60         |                  |          |                | ML    | White to tan-colored, hard/indurated <b>caliche</b> ; dry.                                                                                  |               |
| 5             |             |              |                         |            |                  |          |                |       |                                                                                                                                             | 5.0           |
|               |             |              | 60                      | 60         |                  |          |                | SW-SM | Tannish-brown, well-graded, <b>silty sand</b> with abundant caliche gravel; dry.                                                            |               |
|               |             |              |                         |            |                  |          |                |       |                                                                                                                                             | 7.0           |
|               |             |              | 60                      | 60         |                  |          |                | ML    | White to tan-colored, hard/indurated <b>caliche</b> ; dry.                                                                                  |               |
|               |             |              |                         |            |                  |          |                |       |                                                                                                                                             | 8.0           |
|               |             |              | 60                      | 60         |                  |          |                | SW    | Reddish-brown, well-graded <b>sand</b> with abundant caliche gravel; dry.                                                                   |               |
| 10            |             |              |                         |            |                  |          |                |       |                                                                                                                                             |               |
|               |             |              | 60                      | 60         |                  |          |                | ML    | White to tan-colored, hard/indurated <b>caliche</b> ; dry.                                                                                  |               |
|               |             |              |                         |            |                  |          |                |       |                                                                                                                                             | 12.0          |
|               |             |              | 60                      | 60         |                  |          |                |       |                                                                                                                                             |               |
| 15            |             |              |                         |            |                  |          |                |       |                                                                                                                                             |               |
|               |             |              | 60                      | 60         |                  |          |                |       |                                                                                                                                             |               |
|               |             |              |                         |            |                  |          |                |       |                                                                                                                                             |               |
|               |             |              | 60                      | 60         |                  |          |                | SW    | Reddish-brown, well-graded, <b>gravelly sand</b> ; contains up to 30% gravel; dry.                                                          |               |
| 20            |             |              |                         |            |                  |          |                |       |                                                                                                                                             | 20.0          |
|               |             |              | 60                      | 60         |                  |          |                |       |                                                                                                                                             |               |
|               |             |              |                         |            |                  |          |                |       |                                                                                                                                             |               |
|               |             |              | 60                      | 60         |                  |          |                | ML    | White to tan-colored, hard/indurated <b>caliche</b> ; dry.                                                                                  |               |
| 25            |             |              |                         |            |                  |          |                |       |                                                                                                                                             | 24.0          |
|               |             |              | 60                      | 60         |                  |          |                |       |                                                                                                                                             |               |
|               |             |              |                         |            |                  |          |                |       |                                                                                                                                             |               |
|               |             |              | 60                      | 60         |                  |          |                | SW-SC | Reddish-brown to brownish-yellow, well-graded, <b>clayey sand</b> with rounded pebbles to cobbles; moist near 28 feet below ground surface. |               |
|               |             |              |                         |            |                  |          |                |       |                                                                                                                                             | 25.0          |
|               |             |              | 60                      | 60         |                  |          |                |       |                                                                                                                                             |               |
|               |             |              |                         |            |                  |          |                |       |                                                                                                                                             |               |
|               |             |              | 60                      | 60         |                  |          |                |       |                                                                                                                                             |               |
| 30            |             |              |                         |            |                  |          |                |       |                                                                                                                                             | 30.0          |

Bottom of borehole at 30.0 feet.



## BORING LOG - WELL CONSTRUCTION DIAGRAM

BORING NUMBER AMOCO SB-07

PAGE 1 OF 1

CLIENT Chevron MCBUPROJECT NAME MCBU NM Spill SitesPROJECT NUMBER 60743624PROJECT LOCATION Loving, Eddy County, NMDATE STARTED 2/9/25 DRILLING CONTRACTOR Savage Drilling

GROUND ELEVATION \_\_\_\_\_

COMPLETED 2/9/25 DRILLING METHOD Geoprobe GV5 Sonic

GROUND WATER LEVEL \_\_\_\_\_

LOGGED BY J. Lovely CHECKED BY B. ClandAT TIME OF DRILLING ---NOTES Amoco Federal 11 CTB - Post-Remedial Excavation soil boring.LATITUDE 32.318279LONGITUDE -104.052239

Sample Type:

HA-Hand Auger; HSA-Hollow Stem Auger; SSA - Solid Stem Auger; DP- Direct Push; SC - Sonic Core

BOREHOLE DIAMETER 6"

WELL DIAMETER \_\_\_\_\_

| Depth<br>(ft) | Sample Type | Drilling Log | Push/<br>Recovery (in.) | PID<br>ppm | Sampled Interval | Analysis | Graphic<br>Log | USCS  | MATERIAL DESCRIPTION                                                                                                   | Contact Depth |
|---------------|-------------|--------------|-------------------------|------------|------------------|----------|----------------|-------|------------------------------------------------------------------------------------------------------------------------|---------------|
| 0             |             |              |                         |            |                  |          |                |       |                                                                                                                        |               |
|               | SC          |              | 60<br>60                |            |                  |          |                | SM    | Dark brown, <b>silty sand</b> ; dry.                                                                                   |               |
| 5             | SC          |              | 60<br>60                |            |                  |          |                | ML    | White to grey-colored, hard/indurated <b>caliche</b> ; dry.                                                            | 4.0           |
| 10            | SC          |              | 48<br>48                |            |                  |          |                | SW    | Tannish-brown, well-graded, <b>fine to medium sand</b> ; contains up to 20% subangular caliche gravel; dry.            | 10.0          |
|               | SC          |              | 72<br>72                |            |                  |          |                | ML    | Tan-colored, hard/indurated <b>caliche</b> ; dry.                                                                      | 12.0          |
| 15            | SC          |              |                         |            |                  |          |                | SW    | Reddish-brown, well-graded, <b>fine to medium sand</b> ; contains up to 20% subrounded to rounded caliche gravel; dry. | 15.0          |
| 20            | SC          |              |                         |            |                  |          |                | SW-SC | Reddish-brown to brownish-yellow, well-graded, <b>clayey sand</b> ; contains approx. 25-30% subrounded gravel; dry.    | 23.0          |
| 25            | SC          |              |                         |            |                  |          |                | SW    | Dark reddish-brown, well-graded, <b>fine sand</b> ; wet.                                                               | 25.0          |
| 30            |             |              |                         |            |                  |          |                |       |                                                                                                                        | 30.0          |

Bottom of borehole at 30.0 feet.



## BORING LOG - WELL CONSTRUCTION DIAGRAM

BORING NUMBER AMOCO SB-08

PAGE 1 OF 1

CLIENT Chevron MCBUPROJECT NAME MCBU NM Spill SitesPROJECT NUMBER 60743624PROJECT LOCATION Loving, Eddy County, NMDATE STARTED 2/9/25 DRILLING CONTRACTOR Savage Drilling

GROUND ELEVATION \_\_\_\_\_

COMPLETED 2/9/25 DRILLING METHOD Geoprobe GV5 Sonic

GROUND WATER LEVEL \_\_\_\_\_

LOGGED BY J. Lovely CHECKED BY B. ClandAT TIME OF DRILLING ---NOTES Amoco Federal 11 CTB - Post-Remedial Excavation soil boring.LATITUDE 32.318342LONGITUDE -104.052236

Sample Type:

HA-Hand Auger; HSA-Hollow Stem Auger; SSA - Solid Stem Auger; DP- Direct Push; SC - Sonic Core

BOREHOLE DIAMETER 6"

WELL DIAMETER \_\_\_\_\_

| Depth<br>(ft) | Sample Type | Drilling Log | Push/<br>Recovery (in.) | PID<br>ppm | Sampled Interval | Analysis | Graphic<br>Log | USCS  | MATERIAL DESCRIPTION                                                                                         | Contact Depth |
|---------------|-------------|--------------|-------------------------|------------|------------------|----------|----------------|-------|--------------------------------------------------------------------------------------------------------------|---------------|
| 0             |             |              |                         |            |                  |          |                |       |                                                                                                              |               |
|               |             |              | 60                      | 60         |                  |          |                | SM    | Dark brown, <b>silty sand</b> ; dry.                                                                         |               |
|               |             |              |                         |            |                  |          |                |       |                                                                                                              | 3.0           |
| 5             |             |              |                         |            |                  |          |                | ML    | White to tan-colored, hard/indurated <b>caliche</b> ; dry.                                                   |               |
|               |             |              | 60                      | 60         |                  |          |                | SW-SM | Tannish-brown, well-graded, <b>silty sand</b> ; contains approx. 10-15% subangular caliche gravel; dry.      | 6.0           |
|               |             |              |                         |            |                  |          |                |       |                                                                                                              | 9.0           |
| 10            |             |              |                         |            |                  |          |                | SW    | Reddish-brown, well graded <b>sand</b> ; contains approx. 5-10% caliche gravel; dry.                         |               |
|               |             |              | 60                      | 60         |                  |          |                |       |                                                                                                              | 15.0          |
| 15            |             |              |                         |            |                  |          |                | SW-SM | Tan-colored, moderately to well-graded, fine to medium <b>silty sand</b> ; dry.                              |               |
|               |             |              | 60                      | 60         |                  |          |                |       |                                                                                                              | 21.0          |
| 20            |             |              |                         |            |                  |          |                | SW-SC | Reddish-brown to brownish-yellow, <b>clayey sand</b> ; well-graded with subrounded gravel; dry.              |               |
|               |             |              | 72                      | 72         |                  |          |                | GC    | Brownish-yellow, <b>clayey gravel with sand</b> ; approx. 25-30% rounded gravel, approx. 25% fine sand; dry. | 23.0          |
| 25            |             |              |                         |            |                  |          |                |       |                                                                                                              | 26.0          |
|               |             |              |                         |            |                  |          |                | SW-SM | Tan-colored, well-graded, <b>fine silty sand</b> ; dry.                                                      |               |
|               |             |              | 48                      | 48         |                  |          |                |       |                                                                                                              | 28.0          |
| 30            |             |              |                         |            |                  |          |                | SW    | Dark reddish-brown, well-graded, <b>fine to medium sand</b> ; wet.                                           |               |
|               |             |              |                         |            |                  |          |                |       |                                                                                                              | 30.0          |

Bottom of borehole at 30.0 feet.





## BORING LOG - WELL CONSTRUCTION DIAGRAM

BORING NUMBER AMOCO SB-09

PAGE 1 OF 1

CLIENT Chevron MCBUPROJECT NAME MCBU NM Spill SitesPROJECT NUMBER 60743624PROJECT LOCATION Loving, Eddy County, NMDATE STARTED 2/10/25 DRILLING CONTRACTOR Savage Drilling

GROUND ELEVATION \_\_\_\_\_

COMPLETED 2/10/25 DRILLING METHOD Geoprobe GV5 Sonic

GROUND WATER LEVEL \_\_\_\_\_

LOGGED BY J. Lovely CHECKED BY B. ClandAT TIME OF DRILLING ---NOTES Amoco Federal 11 CTB - Post-Remedial Excavation soil boring.LATITUDE 32.318254LONGITUDE -104.052166

Sample Type:

HA-Hand Auger; HSA-Hollow Stem Auger; SSA - Solid Stem Auger; DP- Direct Push; SC - Sonic Core

BOREHOLE DIAMETER 6"

WELL DIAMETER \_\_\_\_\_

| Depth<br>(ft) | Sample Type | Drilling Log | Push/<br>Recovery (in.) | PID<br>ppm | Sampled Interval | Analysis            | Graphic<br>Log | USCS  | MATERIAL DESCRIPTION                                                                                                     | Contact Depth |
|---------------|-------------|--------------|-------------------------|------------|------------------|---------------------|----------------|-------|--------------------------------------------------------------------------------------------------------------------------|---------------|
| 0             |             |              |                         |            |                  |                     |                |       |                                                                                                                          |               |
|               | SC          |              | 60<br>60                |            |                  |                     |                | SW-SM | Dark brown, well-graded, <b>silty sand</b> ; dry.                                                                        |               |
| 5             |             |              |                         |            |                  |                     |                | ML    | White to tan-colored, hard/indurated <b>caliche</b> ; dry.                                                               | 3.0           |
|               | SC          |              | 60<br>60                | 2.5        | (5-10')          | TPH,<br>BTEX,<br>Cl |                | SW-SM | Medium brown, well-graded, <b>silty sand</b> ; dry.                                                                      | 8.0           |
| 10            |             |              |                         |            |                  |                     |                | SW    | Tannish to reddish-brown, well-graded, <b>gravelly sand</b> ; contains approx. 25-30% subrounded to rounded gravel; dry. | 12.0          |
| 15            | SC          |              | 60<br>60                | 2.8        | (10-15')         | TPH,<br>BTEX,<br>Cl |                |       |                                                                                                                          |               |
|               | SC          |              | 60<br>60                | 1.7        | (15-20')         | TPH,<br>BTEX,<br>Cl |                |       |                                                                                                                          |               |
| 20            |             |              |                         |            |                  |                     |                |       |                                                                                                                          | 20.0          |
|               |             |              |                         |            |                  |                     |                |       | Bottom of borehole at 20.0 feet.                                                                                         |               |

**CLIENT** Chevron MCBU

**PROJECT NAME** MCBU NM Spill Sites

**PROJECT NUMBER** 60743624

**PROJECT LOCATION** Loving, Eddy County, NM

**DATE STARTED** 2/4/25    **DRILLING CONTRACTOR** Savage Drilling

### GROUND ELEVATION

**COMPLETED** 2/6/25      **DRILLING METHOD** Geoprobe GV5 Sonic

## GROUND WATER LEVEL

**LOGGED BY** J. Lovely **CHECKED BY** B. Cland

**AT TIME OF DRILLING ---**

**NOTES** Amoco Federal 11 CTB - Post-Remedial Excavation soil boring.

**LATITUDE** 32.318058

**LONGITUDE** -104.052929

**Sample Type:**

HA-Hand Auger; HSA-Hollow Stem Auger; SSA - Solid Stem Auger; DP- Direct Push; SC - Sonic Core

**BOREHOLE DIAMETER 6"**

WELL DIAMETER

| Depth<br>(ft) | Sample Type | Drilling Log | Push/<br>Recovery (in.) | PID<br>ppm | Sampled Interval | Analysis      | Graphic<br>Log  | USCS  | MATERIAL DESCRIPTION                                                                                                                   | Contact Depth |
|---------------|-------------|--------------|-------------------------|------------|------------------|---------------|-----------------|-------|----------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 0             | HA          | HA           | 12                      | 1.9        | (0-1')           | TPH, BTEX, Cl |                 | SW-SM | Light brown, well-graded, <b>fine silty sand</b> with abundant subangular caliche gravel; dry.                                         |               |
|               | HA          | HA           | 12                      | 2.0        | (1-2')           | TPH, BTEX, Cl |                 | SW-SM | Brownish-orange, well-graded, <b>very fine sand</b> with abundant subangular caliche gravel; dry.                                      | 2.0           |
|               | HA          | HA           | 12                      | 4.5        | (2-3')           | TPH, BTEX, Cl |                 |       |                                                                                                                                        |               |
|               | HA          | HA           | 12                      | 3.3        | (3-4')           | TPH, BTEX, Cl |                 |       |                                                                                                                                        | 4.0           |
| 5             | SC          |              | 48                      | 1.2        | (4-5')           | TPH, BTEX, Cl | X X X X X X X X | ML    | White to light-brown, hard/indurated <b>caliche</b> ; dry.                                                                             |               |
|               |             |              | 48                      | 0.3        | (5-6')           | TPH, BTEX, Cl | X X X X X X X X |       |                                                                                                                                        |               |
|               |             |              | 48                      | 0.2        | (6-7')           | TPH, BTEX, Cl | X X X X X X X X |       |                                                                                                                                        |               |
|               |             |              |                         | 0.2        | (7-8')           | TPH, BTEX, Cl | X X X X X X X X |       |                                                                                                                                        | 8.0           |
| 10            | SC          |              | 24                      | 0.5        | (8-9')           | TPH, BTEX, Cl | X X X X X X X X | SW    | Moderately to well-graded, <b>fine sand</b> with abundant subangular caliche gravel; dry.                                              |               |
|               |             |              | 24                      | 0.7        | (9-10')          | TPH, BTEX, Cl | X X X X X X X X |       |                                                                                                                                        |               |
|               | SC          |              | 36                      | 1.9        | (10-11')         | TPH, BTEX, Cl | X X X X X X X X |       |                                                                                                                                        |               |
|               |             |              | 36                      | 1.5        | (11-12')         | TPH, BTEX, Cl | X X X X X X X X |       |                                                                                                                                        | 12.0          |
|               |             |              |                         | 0.7        | (12-13')         | TPH, BTEX, Cl | X X X X X X X X | ML    | White to light-brown, hard/indurated <b>caliche</b> ; notably becomes increasingly consolidated with depth; dry.                       |               |
|               |             |              |                         | 0.8        | (13-14')         | TPH, BTEX, Cl | X X X X X X X X |       |                                                                                                                                        |               |
| 15            | SC          |              | 36                      | 0.6        | (14-15')         | TPH, BTEX, Cl | X X X X X X X X |       |                                                                                                                                        |               |
|               |             |              | 36                      | 1.1        | (15-16')         | TPH, BTEX, Cl | X X X X X X X X |       |                                                                                                                                        | 16.0          |
|               |             |              |                         | 0.8        | (16-17')         | TPH, BTEX, Cl | X X X X X X X X | SW    | Reddish-brown, well-graded, <b>fine to medium sand</b> ; increasing gravel content (subangular pebbles) with depth; dry.               |               |
|               |             |              | 48                      | 1.3        | (17-18')         | TPH, BTEX, Cl | X X X X X X X X |       |                                                                                                                                        |               |
|               | SC          |              | 48                      | 0.9        | (18-19')         | TPH, BTEX, Cl | X X X X X X X X |       |                                                                                                                                        |               |
| 20            |             |              |                         | 0.5        | (19-20')         | TPH, BTEX, Cl | X X X X X X X X |       |                                                                                                                                        |               |
|               |             |              |                         | 0.7        | (20-21')         | TPH, BTEX, Cl | X X X X X X X X |       |                                                                                                                                        |               |
|               |             |              |                         | 0.6        | (21-22')         | TPH, BTEX, Cl | X X X X X X X X |       |                                                                                                                                        |               |
|               | SC          |              | 72                      | 0.5        | (22-23')         | TPH, BTEX, Cl | X X X X X X X X |       |                                                                                                                                        |               |
|               |             |              | 72                      | 0.7        | (23-24')         | TPH, BTEX, Cl | X X X X X X X X |       |                                                                                                                                        | 24.0          |
| 25            |             |              |                         | 0.8        | (24-25')         | TPH, BTEX, Cl | X X X X X X X X | CL    | Dark reddish-brown, <b>sandy clay</b> ; contains approx. 10-15% gravel (rounded pebbles); clay is low plasticity and medium-soft; dry. | 25.0          |
|               |             |              |                         | 0.5        | (25-26')         | TPH, BTEX, Cl | X X X X X X X X | SW    | Brownish-yellow, semi-consolidated, <b>gravelly sand</b> ; contains approx. 20-25% gravel (subrounded pebbles); dry.                   | 26.0          |
|               |             |              |                         | 0.6        |                  |               | X X X X X X X X | SM    | Dark reddish-brown, <b>silty sand</b> ; wet.                                                                                           |               |
|               | SC          |              | 48                      | 0.7        |                  |               | X X X X X X X X |       |                                                                                                                                        |               |
|               |             |              | 48                      | 0.5        |                  |               | X X X X X X X X |       |                                                                                                                                        |               |
| 30            |             |              |                         | 0.5        |                  |               | X X X X X X X X |       |                                                                                                                                        | 30.0          |

Released to Imaging: 8/14/2026 5:00:02 PM

Bottom of borehole at 30.0 feet.

Released to Imaging: 8/14/2026 5:00:02 PM



## BORING LOG - WELL CONSTRUCTION DIAGRAM

BORING NUMBER AMOCO SB-11

PAGE 1 OF 1

CLIENT Chevron MCBUPROJECT NAME MCBU NM Spill SitesPROJECT NUMBER 60743624PROJECT LOCATION Loving, Eddy County, NMDATE STARTED 2/4/25 DRILLING CONTRACTOR Savage Drilling

GROUND ELEVATION \_\_\_\_\_

COMPLETED 2/10/25 DRILLING METHOD Geoprobe GV5 Sonic

GROUND WATER LEVEL \_\_\_\_\_

LOGGED BY J. Lovely CHECKED BY B. ClandAT TIME OF DRILLING ---NOTES Amoco Federal 11 CTB - Post-Remedial Excavation soil boring.LATITUDE 32.319263LONGITUDE -104.04933

Sample Type:

HA-Hand Auger; HSA-Hollow Stem Auger; SSA - Solid Stem Auger; DP- Direct Push; SC - Sonic Core

BOREHOLE DIAMETER 6"

WELL DIAMETER \_\_\_\_\_

| Depth<br>(ft) | Sample Type | Drilling Log | Push/<br>Recovery (in.) | PID<br>ppm | Sampled Interval | Analysis            | Graphic<br>Log  | USCS  | MATERIAL DESCRIPTION                                                                                            | Contact Depth |
|---------------|-------------|--------------|-------------------------|------------|------------------|---------------------|-----------------|-------|-----------------------------------------------------------------------------------------------------------------|---------------|
| 0             |             |              |                         |            |                  |                     |                 |       |                                                                                                                 |               |
|               | HA          |              | 12                      | 2.0        | (0-1')           | TPH,<br>BTEX,<br>CI |                 | SW-SM | Light brown, well-graded, <b>fine silty sand</b> with abundant subangular caliche gravel; dry.                  |               |
|               | HA          |              | 12                      | 3.1        | (1-2')           | TPH,<br>BTEX,<br>CI |                 |       |                                                                                                                 | 2.0           |
|               | HA          |              | 12                      | 2.8        | (2-3')           | TPH,<br>BTEX,<br>CI |                 | SW    | Brownish-orange, well-graded, <b>very fine sand</b> with abundant subangular caliche gravel; dry.               |               |
|               | HA          |              | 12                      | 4.0        | (3-4')           | TPH,<br>BTEX,<br>CI |                 |       |                                                                                                                 | 4.0           |
| 5             |             |              |                         | 4.5        | (4-5')           | TPH,<br>BTEX,<br>CI | X X X X X X X X | ML    | White to tan-colored, hard/indurated <b>caliche</b> ; dry.                                                      |               |
|               |             |              |                         | 4.1        | (5-6')           | TPH,<br>BTEX,<br>CI | X X X X X X X X |       |                                                                                                                 |               |
|               | SC          |              | 72                      | 3.3        | (6-7')           | TPH,<br>BTEX,<br>CI | X X X X X X X X |       |                                                                                                                 |               |
|               |             |              | 72                      | 3.7        | (7-8')           | TPH,<br>BTEX,<br>CI | X X X X X X X X |       |                                                                                                                 | 8.0           |
|               |             |              |                         | 3.9        | (8-9')           | TPH,<br>BTEX,<br>CI | X X X X X X X X | SW    | Tan-colored, moderately to well-graded, <b>fine sand</b> ; contains approx. 25% subangular caliche gravel; dry. |               |
| 10            |             |              |                         | 3.0        | (9-10')          | TPH,<br>BTEX,<br>CI | X X X X X X X X |       |                                                                                                                 | 10.0          |
|               |             |              |                         |            |                  |                     |                 |       | Bottom of borehole at 10.0 feet.                                                                                |               |



BORING LOG - WELL CONSTRUCTION DIAGRAM

BORING NUMBER AMOCO SB-12

CLIENT Chevron MCBU

PROJECT NAME MCBU NM Spill Sites

PROJECT NUMBER 60743624

PROJECT LOCATION Loving, Eddy County, NM

DATE STARTED 2/4/25 DRILLING CONTRACTOR Savage Drilling GROUND ELEVATION \_\_\_\_\_

COMPLETED 2/4/25 DRILLING METHOD Hand Auger GROUND WATER LEVEL \_\_\_\_\_

LOGGED BY J. Lovely CHECKED BY B. Cland AT TIME OF DRILLING ---

NOTES Amoco Federal 11 CTB - Post-Remedial Excavation soil boring. LATITUDE 32.320949 LONGITUDE -104.051944

Sample Type:  
HA-Hand Auger; HSA-Hollow Stem Auger; SSA - Solid Stem Auger; DP- Direct Push; SC - Sonic Core

BOREHOLE DIAMETER 3"  
WELL DIAMETER \_\_\_\_\_

| Depth<br>(ft) | Sample Type | Drilling Log | Push/<br>Recovery (in.) | PID<br>ppm | Sampled Interval | Analysis            | Graphic<br>Log | USCS  | MATERIAL DESCRIPTION                                                                              | Contact Depth |
|---------------|-------------|--------------|-------------------------|------------|------------------|---------------------|----------------|-------|---------------------------------------------------------------------------------------------------|---------------|
| 0             |             |              |                         |            |                  |                     |                |       |                                                                                                   |               |
|               | HA          | HA           | 12                      | 2.8        | (0-1')           | TPH,<br>BTEX,<br>CI |                | SW-SM | Light brown, well-graded, <b>fine silty sand</b> with abundant subangular caliche gravel; dry.    |               |
|               | HA          | HA           | 12                      | 4.6        | (1-2')           | TPH,<br>BTEX,<br>CI |                |       |                                                                                                   | 2.0           |
|               | HA          | HA           | 12                      | 7.5        | (2-3')           | TPH,<br>BTEX,<br>CI |                | SW    | Brownish-orange, well-graded, <b>very fine sand</b> with abundant subangular caliche gravel; dry. |               |
|               | HA          | HA           | 12                      | 8.5        | (3-4')           | TPH,<br>BTEX,<br>CI |                |       |                                                                                                   | 4.0           |
|               |             |              |                         |            |                  |                     |                |       | Bottom of borehole at 4.0 feet.                                                                   |               |





## BORING LOG - WELL CONSTRUCTION DIAGRAM

BORING NUMBER AMOCO SB-13

PAGE 1 OF 1

CLIENT Chevron MCBUPROJECT NAME MCBU NM Spill SitesPROJECT NUMBER 60743624PROJECT LOCATION Loving, Eddy County, NMDATE STARTED 2/10/25 DRILLING CONTRACTOR Savage Drilling

GROUND ELEVATION \_\_\_\_\_

COMPLETED 2/10/25 DRILLING METHOD Hand Auger

GROUND WATER LEVEL \_\_\_\_\_

LOGGED BY J. Lovely CHECKED BY B. ClandAT TIME OF DRILLING ---NOTES Amoco Federal 11 CTB - Post-Remedial Excavation soil boring.LATITUDE 32.316241LONGITUDE -104.053627

Sample Type:

HA-Hand Auger; HSA-Hollow Stem Auger; SSA - Solid Stem Auger; DP- Direct Push; SC - Sonic Core

BOREHOLE DIAMETER 3"

WELL DIAMETER \_\_\_\_\_

| Depth<br>(ft) | Sample Type | Drilling Log | Push/<br>Recovery (in.) | PID<br>ppm | Sampled Interval | Analysis            | Graphic<br>Log | USCS  | MATERIAL DESCRIPTION                                               | Contact Depth |
|---------------|-------------|--------------|-------------------------|------------|------------------|---------------------|----------------|-------|--------------------------------------------------------------------|---------------|
| 0             |             |              |                         |            |                  |                     |                |       |                                                                    |               |
|               | HA          | HA           | 12                      | 2.2        | (0-1')           | TPH,<br>BTEX,<br>CI |                | SW-SM | Dark brown, <b>silty sand</b> with subangular caliche gravel; dry. |               |
|               | HA          | HA           | 12                      | 2.7        | (1-2')           | TPH,<br>BTEX,<br>CI |                |       |                                                                    |               |
|               | HA          | HA           | 12                      | 2.8        | (2-3')           | TPH,<br>BTEX,<br>CI |                |       |                                                                    |               |
|               | HA          | HA           | 12                      | 2.5        | (3-4')           | TPH,<br>BTEX,<br>CI |                |       |                                                                    | 4.0           |
|               |             |              |                         |            |                  |                     |                |       | Bottom of borehole at 4.0 feet.                                    |               |



BORING LOG - WELL CONSTRUCTION DIAGRAM

BORING NUMBER AMOCO SB-14

CLIENT Chevron MCBU

PROJECT NAME MCBU NM Spill Sites

PROJECT NUMBER 60743624

PROJECT LOCATION Loving, Eddy County, NM

DATE STARTED 2/10/25 DRILLING CONTRACTOR Savage Drilling

COMPLETED 2/10/25 DRILLING METHOD Hand Auger

LOGGED BY J. Lovely CHECKED BY B. Cland

GROUND ELEVATION \_\_\_\_\_

GROUND WATER LEVEL \_\_\_\_\_

AT TIME OF DRILLING ---

NOTES Amoco Federal 11 CTB - Post-Remedial Excavation soil boring.

LATITUDE 32.319134 LONGITUDE -104.055356

Sample Type:  
HA-Hand Auger; HSA-Hollow Stem Auger; SSA - Solid Stem Auger; DP- Direct Push; SC - Sonic Core

BOREHOLE DIAMETER 3"

WELL DIAMETER \_\_\_\_\_

| Depth<br>(ft) | Sample Type | Drilling Log | Push/<br>Recovery (in.) | PID<br>ppm | Sampled Interval | Analysis            | Graphic<br>Log | USCS  | MATERIAL DESCRIPTION                                               | Contact Depth |
|---------------|-------------|--------------|-------------------------|------------|------------------|---------------------|----------------|-------|--------------------------------------------------------------------|---------------|
| 0             |             |              |                         |            |                  |                     |                |       |                                                                    |               |
|               | HA          | HA           | 12                      | 3.1        | (0-1')           | TPH,<br>BTEX,<br>CI |                | SW-SM | Dark brown, <b>silty sand</b> with subangular caliche gravel; dry. |               |
|               | HA          | HA           | 12                      | 3.9        | (1-2')           | TPH,<br>BTEX,<br>CI |                |       |                                                                    |               |
|               | HA          | HA           | 12                      | 4.1        | (2-3')           | TPH,<br>BTEX,<br>CI |                |       |                                                                    |               |
|               | HA          | HA           | 12                      | 4.6        | (3-4')           | TPH,<br>BTEX,<br>CI |                |       |                                                                    | 4.0           |
|               |             |              |                         |            |                  |                     |                |       | Bottom of borehole at 4.0 feet.                                    |               |

|                                                                                                                |  |                                                 |  |                                                          |  |
|----------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------|--|----------------------------------------------------------|--|
| <b>AECOM</b>                                                                                                   |  | <b>BORING LOG - WELL CONSTRUCTION DIAGRAM</b>   |  | <b>BORING NUMBER AMOCO DB-19/MW-1</b>                    |  |
|                                                                                                                |  | PAGE 1 OF 2                                     |  |                                                          |  |
| CLIENT <u>Chevron MCBU</u>                                                                                     |  | PROJECT NAME <u>MCBU NM Spill Sites</u>         |  |                                                          |  |
| PROJECT NUMBER <u>60729416; 60729423</u>                                                                       |  | PROJECT LOCATION <u>Loving, Eddy County, NM</u> |  |                                                          |  |
| DATE STARTED <u>5/28/24</u>                                                                                    |  | DRILLING CONTRACTOR <u>Talon/LPE</u>            |  | GROUND ELEVATION _____                                   |  |
| COMPLETED <u>5/29/24</u>                                                                                       |  | DRILLING METHOD <u>Geoprobe GV5 Sonic</u>       |  | GROUND WATER LEVEL _____                                 |  |
| LOGGED BY <u>B. Cland</u>                                                                                      |  | CHECKED BY <u>B. Wynne</u>                      |  | AT TIME OF DRILLING <u>---</u>                           |  |
| NOTES <u>Amoco Federal 11 CTB. Monitor well MW-1 installed on 5/29/2024.</u>                                   |  | LATITUDE <u>32.318114</u>                       |  | LONGITUDE <u>-104.052821</u>                             |  |
| Sample Type:<br>HA-Hand Auger; HSA-Hollow Stem Auger; SSA - Solid Stem Auger; DP- Direct Push; SC - Sonic Core |  |                                                 |  | BOREHOLE DIAMETER <u>4.5"</u><br>WELL DIAMETER <u>2"</u> |  |

| Depth (ft) | Sample Type | Drilling Log | Push/ Recovery (in.) | PID ppm | Sampled Interval | Analysis | Graphic Log | USCS  | MATERIAL DESCRIPTION                                                                                                                                                                                                                      | Contact Depth |  |
|------------|-------------|--------------|----------------------|---------|------------------|----------|-------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--|
| 0          |             |              |                      |         |                  |          |             |       |                                                                                                                                                                                                                                           |               |  |
|            | SC          |              | 60                   | 60      |                  |          |             | SW-SM | Light brownish-orange, well-graded, fine to very fine <b>silty sand</b> with abundant subangular caliche gravel; dry.<br>- Caliche content up to approx. 30%, up to small cobble-sized.                                                   | 2.0           |  |
|            |             |              |                      |         |                  |          |             | ML    | Light grey, hard/indurated <b>caliche</b> ; dry.                                                                                                                                                                                          | 4.0           |  |
| 5          | SC          |              | 60                   | 60      |                  |          |             | SW-SM | Light tannish-orange, moderately to well-graded, fine to very fine <b>silty sand</b> with subangular caliche gravel; dry.<br>- Caliche content approx. 15-20%, up to medium pebble-sized.                                                 | 6.0           |  |
|            |             |              |                      |         |                  |          |             | ML    | Light grey, hard/indurated <b>caliche</b> ; dry.                                                                                                                                                                                          |               |  |
| 10         | SC          |              | 60                   | 60      |                  |          |             |       |                                                                                                                                                                                                                                           |               |  |
|            | SC          |              | 60                   | 60      |                  |          |             |       |                                                                                                                                                                                                                                           |               |  |
| 15         | SC          |              | 12                   | 12      |                  |          |             |       |                                                                                                                                                                                                                                           |               |  |
|            | SC          |              | 18                   | 18      |                  |          |             | SW-SM | Light tannish-orange, fine to very fine <b>silty sand</b> with caliche gravel (same as 4-6"); dry.                                                                                                                                        | 16.0          |  |
|            |             |              |                      |         |                  |          |             | ML    | Light grey, hard/indurated <b>caliche</b> ; dry.                                                                                                                                                                                          | 17.0          |  |
|            |             |              |                      |         |                  |          |             |       |                                                                                                                                                                                                                                           | 18.5          |  |
| 20         | SC          |              | 48                   | 48      |                  |          |             | SW    | Tannish-yellow, well-graded, fine <b>gravelly sand</b> ; dry.<br>- Gravel content consists of subangular caliche, up to 30%, small cobble-sized.                                                                                          | 20.0          |  |
|            |             |              |                      |         |                  |          |             | ML    | Light grey, hard/indurated <b>caliche</b> ; dry.                                                                                                                                                                                          | 21.0          |  |
|            |             |              |                      |         |                  |          |             | SW    | Tannish-yellow, well-graded, fine <b>gravelly sand</b> (same as 18.5-20"); dry.                                                                                                                                                           | 22.0          |  |
|            | SC          |              | 54                   | 28      |                  |          |             | CL    | Reddish-brown, low to medium plasticity <b>gravelly clay</b> ; medium soft; dry.<br>- Gravel content consists of subrounded to rounded caliche, approx. 15-20%, small pebble-sized.<br>- Contains approx. 10-15% very fine sand and silt. |               |  |
| 25         |             |              |                      |         |                  |          |             |       |                                                                                                                                                                                                                                           | 26.0          |  |
|            | SC          |              | 48                   | 48      |                  |          |             | ML    | Light to medium brownish-grey, consolidated, <b>gravelly silt</b> with minor sand; dry.<br>- Gravel content consists of rounded caliche, approx. 10-15%, small pebble-sized.                                                              | 30.0          |  |

Portland  
Type I/II  
Cement.

Bentonite  
seal with  
3/8"  
hydrated  
bentonite  
chips.

|                                                                                                                       |  |                                               |                                                        |                                       |  |
|-----------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------|--------------------------------------------------------|---------------------------------------|--|
|                                                                                                                       |  | <b>BORING LOG - WELL CONSTRUCTION DIAGRAM</b> |                                                        | <b>BORING NUMBER AMOCO DB-19/MW-1</b> |  |
|                                                                                                                       |  | PAGE 2 OF 2                                   |                                                        |                                       |  |
| <b>CLIENT</b> <u>Chevron MCBU</u>                                                                                     |  |                                               | <b>PROJECT NAME</b> <u>MCBU NM Spill Sites</u>         |                                       |  |
| <b>PROJECT NUMBER</b> <u>60729416; 60729423</u>                                                                       |  |                                               | <b>PROJECT LOCATION</b> <u>Loving, Eddy County, NM</u> |                                       |  |
| <b>DATE STARTED</b> <u>5/28/24</u>                                                                                    |  |                                               | <b>DRILLING CONTRACTOR</b> <u>Talon/LPE</u>            |                                       |  |
| <b>COMPLETED</b> <u>5/29/24</u>                                                                                       |  |                                               | <b>DRILLING METHOD</b> <u>Geoprobe GV5 Sonic</u>       |                                       |  |
| <b>LOGGED BY</b> <u>B. Cland</u>                                                                                      |  |                                               | <b>CHECKED BY</b> <u>B. Wynne</u>                      |                                       |  |
| <b>NOTES</b> <u>Amoco Federal 11 CTB. Monitor well MW-1 installed on 5/29/2024.</u>                                   |  |                                               | <b>GROUND ELEVATION</b> _____                          |                                       |  |
|                                                                                                                       |  |                                               | <b>GROUND WATER LEVEL</b> _____                        |                                       |  |
|                                                                                                                       |  |                                               | <b>AT TIME OF DRILLING</b> <u>---</u>                  |                                       |  |
|                                                                                                                       |  |                                               | <b>LATITUDE</b> <u>32.318114</u>                       |                                       |  |
|                                                                                                                       |  |                                               | <b>LONGITUDE</b> <u>-104.052821</u>                    |                                       |  |
| <b>Sample Type:</b><br>HA-Hand Auger; HSA-Hollow Stem Auger; SSA - Solid Stem Auger; DP- Direct Push; SC - Sonic Core |  |                                               |                                                        | <b>BOREHOLE DIAMETER</b> <u>4.5"</u>  |  |
|                                                                                                                       |  |                                               |                                                        | <b>WELL DIAMETER</b> <u>2"</u>        |  |

| Depth (ft) | Sample Type | Drilling Log | Push/ Recovery (in.) | PID ppm | Sampled Interval | Analysis | Graphic Log | USCS  | MATERIAL DESCRIPTION                                                                                                                           | Contact Depth |  |
|------------|-------------|--------------|----------------------|---------|------------------|----------|-------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--|
| 30         |             |              |                      |         |                  |          |             |       |                                                                                                                                                |               |  |
|            | SC          |              | 36<br>24             |         |                  |          |             | CL-ML | Brownish-orange, low plasticity <b>sandy to silty clay</b> ; medium soft to stiff, consolidated; dry.                                          |               |  |
|            | SC          |              | 36<br>36             |         |                  |          |             | ML    | Brownish-yellow, consolidated, very fine <b>sandy silt</b> with minor clay; stiff, moist.<br>- Clay is low plasticity, content approx. 10-15%. | 33.0          |  |
| 35         | SC          |              | 36<br>48             |         |                  |          |             | SM    | Brownish to greyish-yellow, poorly-graded, consolidated, very fine <b>silty sand</b> ; stiff, moist.                                           | 36.0          |  |
|            | SC          |              | 48<br>48             |         |                  |          |             |       |                                                                                                                                                |               |  |
| 40         | SC          |              | 36<br>30             |         |                  |          |             | CL-ML | Brownish to greyish-yellow, low plasticity, very fine <b>sandy to silty clay</b> ; consolidated, stiff, moist.                                 | 40.0          |  |
|            | SC          |              | 36<br>30             |         |                  |          |             | CL    | Dark grey, low plasticity, very fine <b>sandy clay</b> ; consolidated, very stiff, moist. Reddish-brown oxidation staining visible.            | 42.0          |  |
|            | SC          |              | 36<br>30             |         |                  |          |             | CL-ML | Brownish-yellow, low plasticity, very fine <b>sandy to silty clay</b> (same as 40-42'); moist.                                                 | 43.0          |  |
| 45         | SC          |              | 36<br>30             |         |                  |          |             | ML    | Light grey, hard/indurated <b>caliche</b> ; dry.<br>Monitor well installed as flush mount.                                                     | 45.0          |  |
|            |             |              |                      |         |                  |          |             |       | Bottom of borehole at 46.0 feet.                                                                                                               | 46.0          |  |

8/16 Silica Sand filter pack.

0.010" slotted PVC screen.

Cone-shaped PVC sump.



Remedial Summary Report and  
Limited Deferral Request

# Appendix C

## Photographic Documentation

| <b>AECOM</b>                                                                                                     |                          | <b>APPENDIX C<br/>PHOTOGRAPHIC LOG</b>                                                   |  |
|------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------|--|
| <b>Project Number:</b><br>60734207                                                                               |                          | <b>Site Location:</b><br>Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico |  |
| <b>Page 1 of 14</b>                                                                                              |                          |                                                                                          |  |
| <b>Photo No.</b><br><b>01</b>                                                                                    | <b>Date:</b><br>07/18/24 |       |  |
| <b>Direction Photo Taken:</b><br><br>North                                                                       |                          |                                                                                          |  |
| <b>Description:</b><br><br>Looking north at bulldozer excavating surficial soils on eastern portion of well pad. |                          |                                                                                          |  |

|                                                                                                                                                                                                                                                   |                          |                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>02</b>                                                                                                                                                                                                                     | <b>Date:</b><br>07/19/24 |  |
| <b>Direction Photo Taken:</b><br><br>South                                                                                                                                                                                                        |                          |                                                                                      |
| <b>Description:</b><br><br>Looking south at trackhoe excavating surficial soils on eastern edge of well pad and bulldozer stockpiling excavated soils. Hydrovac truck visible in background daylighting subsurface utilities near heater treater. |                          |                                                                                      |



| <b>AECOM</b>                                                                                                                                                                                                       |                          | <b>APPENDIX C<br/>PHOTOGRAPHIC LOG</b>                                                   |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------|---------------------|
| <b>Project Number:</b><br>60734207                                                                                                                                                                                 |                          | <b>Site Location:</b><br>Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico | <b>Page 2 of 14</b> |
| <b>Photo No.</b><br><b>03</b>                                                                                                                                                                                      | <b>Date:</b><br>07/19/24 |       |                     |
| <b>Direction Photo Taken:</b><br><br>Looking down into ground                                                                                                                                                      |                          |                                                                                          |                     |
| <b>Description:</b><br><br>Looking down into ground at inactive/abandoned flowlines near heater treater, exposed by hydrovac truck. Steel flowlines with clamps are corroded and rusted through in several places. |                          |                                                                                          |                     |

|                                                                                                                                                                                                                                                           |                          |                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>04</b>                                                                                                                                                                                                                             | <b>Date:</b><br>07/22/24 |  |
| <b>Direction Photo Taken:</b><br><br>Southeast                                                                                                                                                                                                            |                          |                                                                                      |
| <b>Description:</b><br><br>Looking southeast at trackhoe loading stockpiled impacted soils into belly dump-truck for offsite disposal at landfill. Exposed hydrovac trench containing inactive flowlines visible in foreground, marked with caution tape. |                          |                                                                                      |



| <b>AECOM</b>                                                                                                                                                                                                             |  | <b>APPENDIX C<br/>PHOTOGRAPHIC LOG</b>                                                   |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------|--|
| <b>Project Number:</b><br>60734207                                                                                                                                                                                       |  | <b>Site Location:</b><br>Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico |  |
| <b>Photo No.</b><br><b>05</b>                                                                                                                                                                                            |  | <b>Date:</b><br>07/25/24                                                                 |  |
| <b>Direction Photo Taken:</b><br><br>South                                                                                                                                                                               |  |       |  |
| <b>Description:</b><br><br>Looking south at an inactive steel flowline, running north-south towards heater treater, exposed via hydrovac truck and trackhoe. Bulldozer visible in background stockpiling impacted soils. |  |                                                                                          |  |

|                                                                                                                                                                                                                                                                                      |  |                                                                                      |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|
| <b>Photo No.</b><br><b>06</b>                                                                                                                                                                                                                                                        |  | <b>Date:</b><br>07/31/24                                                             |  |
| <b>Direction Photo Taken:</b><br><br>Northeast                                                                                                                                                                                                                                       |  |  |  |
| <b>Description:</b><br><br>Looking northeast at trackhoe loading impacted soils into belly dump-truck for offsite disposal at landfill, directly north of active heater treater area. Active, high-energy electrical line, exposed by hydrovac truck, visible in bottom-left corner. |  |                                                                                      |  |



| <b>AECOM</b>                                                                                                                                                           |  | <b>APPENDIX C<br/>PHOTOGRAPHIC LOG</b>                                                   |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------|--|
| <b>Project Number:</b><br>60734207                                                                                                                                     |  | <b>Site Location:</b><br>Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico |  |
| <b>Photo No.</b><br><b>07</b>                                                                                                                                          |  | <b>Date:</b><br>07/31/24                                                                 |  |
| <b>Direction Photo Taken:</b><br><br>Southeast                                                                                                                         |  |       |  |
| <b>Description:</b><br><br>Looking southeast at inactive steel flowlines which were cut and removed from the excavation footprint and stockpiled for offsite disposal. |  |                                                                                          |  |

|                                                                                                                                                    |  |                                                                                      |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|
| <b>Photo No.</b><br><b>08</b>                                                                                                                      |  | <b>Date:</b><br>08/12/24                                                             |  |
| <b>Direction Photo Taken:</b><br><br>Southeast                                                                                                     |  |  |  |
| <b>Description:</b><br><br>Looking southeast at hydrovac truck daylighting active Enterprise flowlines in southeastern portion of excavation area. |  |                                                                                      |  |



**AECOM****APPENDIX C  
PHOTOGRAPHIC LOG**

|                                                                                                                                                                                                                                                                    |                          |                                                                                          |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------|---------------------|
| <b>Project Number:</b><br>60734207                                                                                                                                                                                                                                 |                          | <b>Site Location:</b><br>Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico | <b>Page 5 of 14</b> |
| <b>Photo No.</b><br><b>09</b>                                                                                                                                                                                                                                      | <b>Date:</b><br>08/12/24 |       |                     |
| <b>Direction Photo Taken:</b><br><br>Northwest                                                                                                                                                                                                                     |                          |                                                                                          |                     |
| <b>Description:</b><br><br>Looking northwest at bulldozer excavating deeper and removing additional soil from easternmost section of excavation area. Trackhoe fitted with hydraulic hammer, used for perforating and breaking apart caliche layers, also visible. |                          |                                                                                          |                     |

|                                                                                                                                                                                                                                                 |                          |                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>10</b>                                                                                                                                                                                                                   | <b>Date:</b><br>08/14/24 |  |
| <b>Direction Photo Taken:</b><br><br>South                                                                                                                                                                                                      |                          |                                                                                      |
| <b>Description:</b><br><br>Looking south at bulldozer excavating soils in south-central portion of excavation. Trackhoe visible in background, working on excavating and stockpiling impacted soils in southeastern portion of excavation area. |                          |                                                                                      |



| <b>AECOM</b>                                                                                                                                                          |  | <b>APPENDIX C<br/>PHOTOGRAPHIC LOG</b>                                                   |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------|--|
| <b>Project Number:</b><br>60734207                                                                                                                                    |  | <b>Site Location:</b><br>Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico |  |
| <b>Photo No.</b><br><b>11</b>                                                                                                                                         |  | <b>Date:</b><br>08/14/24                                                                 |  |
| <b>Direction Photo Taken:</b><br><br>Northwest                                                                                                                        |  |       |  |
| <b>Description:</b><br><br>Looking northwest at southeastern portion of excavation area, east of active heater treater area and south of active Enterprise flowlines. |  |                                                                                          |  |

|                                                                                                                                                                                                                                                                                                      |  |                                                                                      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|
| <b>Photo No.</b><br><b>12</b>                                                                                                                                                                                                                                                                        |  | <b>Date:</b><br>08/15/24                                                             |  |
| <b>Direction Photo Taken:</b><br><br>East                                                                                                                                                                                                                                                            |  |  |  |
| <b>Description:</b><br><br>Looking east at trackhoe loading stockpiled impacted soils into belly dump-truck for offsite disposal at landfill. Bulldozer assisting with stockpiling impacted soils. Exposed hydrovac trench containing active, high energy electrical line visible on left-hand side. |  |                                                                                      |  |



| <b>AECOM</b>                                                                                                                                                                                                                                             |  | <b>APPENDIX C<br/>PHOTOGRAPHIC LOG</b>                                                   |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------|--|
| <b>Project Number:</b><br>60734207                                                                                                                                                                                                                       |  | <b>Site Location:</b><br>Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico |  |
| <b>Photo No.</b><br><b>13</b>                                                                                                                                                                                                                            |  | <b>Date:</b><br>08/15/24                                                                 |  |
| <b>Direction Photo Taken:</b><br><br>Northeast                                                                                                                                                                                                           |  |       |  |
| <b>Description:</b><br><br>Looking northeast at trackhoe extending excavation walls and removing additional soil from northwest corner of excavation area. Exposed hydrovac trench containing active, high energy electrical line visible in foreground. |  |                                                                                          |  |

|                                                                                                                                                                                                                                                                                                     |  |                                                                                      |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|
| <b>Photo No.</b><br><b>14</b>                                                                                                                                                                                                                                                                       |  | <b>Date:</b><br>08/20/24                                                             |  |
| <b>Direction Photo Taken:</b><br><br>South                                                                                                                                                                                                                                                          |  |  |  |
| <b>Description:</b><br><br>Looking south at trackhoes excavating deeper in south-central portion of excavation area, directly north of heater treater. Trackhoe with hydraulic hammer breaking apart caliche layers and trackhoe with excavator bucket removing fractured rock and additional soil. |  |                                                                                      |  |



| <b>AECOM</b>                                                                                                                                                                                     |  | <b>APPENDIX C<br/>PHOTOGRAPHIC LOG</b>                                                   |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------|--|
| <b>Project Number:</b><br>60734207                                                                                                                                                               |  | <b>Site Location:</b><br>Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico |  |
| <b>Photo No.</b><br><b>15</b>                                                                                                                                                                    |  | <b>Date:</b><br>08/21/24                                                                 |  |
| <b>Direction Photo Taken:</b><br><br>Southwest                                                                                                                                                   |  |       |  |
| <b>Description:</b><br><br>Looking southwest at south-central portion of excavation area near completion. Base of excavation pictured ranges from approximately 11-15 feet below ground surface. |  |                                                                                          |  |

|                                                                                                                      |  |                                                                                      |  |
|----------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|
| <b>Photo No.</b><br><b>16</b>                                                                                        |  | <b>Date:</b><br>09/05/24                                                             |  |
| <b>Direction Photo Taken:</b><br><br>South                                                                           |  |  |  |
| <b>Description:</b><br><br>Looking south at eastern area excavated up to 20 ft deep to very hard caliche rock layer. |  |                                                                                      |  |



| <b>AECOM</b>                                                                                        |                          | <b>APPENDIX C<br/>PHOTOGRAPHIC LOG</b>                                                   |  |
|-----------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------|--|
| <b>Project Number:</b><br>60734207                                                                  |                          | <b>Site Location:</b><br>Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico |  |
| <b>Page 9 of 14</b>                                                                                 |                          |                                                                                          |  |
| <b>Photo No.</b><br><b>17</b>                                                                       | <b>Date:</b><br>09/05/24 |       |  |
| <b>Direction Photo Taken:</b><br><br>South                                                          |                          |                                                                                          |  |
| <b>Description:</b><br><br>Looking south at deep eastern area, dug to very hard caliche rock layer. |                          |                                                                                          |  |

|                                                                                      |                          |                                                                                      |
|--------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>18</b>                                                        | <b>Date:</b><br>09/12/24 |  |
| <b>Direction Photo Taken:</b><br><br>East                                            |                          |                                                                                      |
| <b>Description:</b><br><br>Looking east across pad while backfilling and compacting. |                          |                                                                                      |

| <b>AECOM</b>                                                                          |  | <b>APPENDIX C<br/>PHOTOGRAPHIC LOG</b>                                                   |  |
|---------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------|--|
| <b>Project Number:</b><br>60734207 / 60743624                                         |  | <b>Site Location:</b><br>Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico |  |
| <b>Photo No.</b><br><b>19</b>                                                         |  | <b>Date:</b><br>09/12/24                                                                 |  |
| <b>Direction Photo Taken:</b><br><br>South                                            |  |       |  |
| <b>Description:</b><br><br>Looking south across pad while backfilling and compacting. |  |                                                                                          |  |

|                                                                                                                                                                                                                                  |  |                                                                                      |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|
| <b>Photo No.</b><br><b>20</b>                                                                                                                                                                                                    |  | <b>Date:</b><br>02/05/25                                                             |  |
| <b>Direction Photo Taken:</b><br><br>Southwest                                                                                                                                                                                   |  |  |  |
| <b>Description:</b><br><br>Setting up sonic drill rig to advance soil borings in eastern area and collect soil samples from below 20 feet below ground surface (i.e., below max depth of the previous excavation in Sept. 2024). |  |                                                                                      |  |



| <b>AECOM</b>                                                                                                                                                                        |                          | <b>APPENDIX C<br/>PHOTOGRAPHIC LOG</b>                                                   |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------|--|
| <b>Project Number:</b><br>60743624                                                                                                                                                  |                          | <b>Site Location:</b><br>Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico |  |
| <b>Page 11 of 14</b>                                                                                                                                                                |                          |                                                                                          |  |
| <b>Photo No.</b><br><b>21</b>                                                                                                                                                       | <b>Date:</b><br>02/05/25 |       |  |
| <b>Direction Photo Taken:</b><br><br>Looking down towards ground                                                                                                                    |                          |                                                                                          |  |
| <b>Description:</b><br><br>Looking at sonic core bags from soil boring SB-01; soil lithologies include caliche, well-graded sand with caliche gravel, and fine-grained clayey sand. |                          |                                                                                          |  |

|                                                                                                                                                                                                    |                          |                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>22</b>                                                                                                                                                                      | <b>Date:</b><br>02/05/25 |  |
| <b>Direction Photo Taken:</b><br><br>Looking down towards ground                                                                                                                                   |                          |                                                                                      |
| <b>Description:</b><br><br>Looking at sonic core bags from soil boring SB-03; soil lithologies include caliche, well-graded fine to coarse-grained sand with gravel, and fine-grained clayey sand. |                          |                                                                                      |



| <b>AECOM</b>                                                                                                                                                                                                                                                                                                                                                                                            |  | <b>APPENDIX C<br/>PHOTOGRAPHIC LOG</b>                                                   |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------|--|
| <b>Project Number:</b><br>60743624                                                                                                                                                                                                                                                                                                                                                                      |  | <b>Site Location:</b><br>Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico |  |
| <b>Photo No.</b><br><b>23</b>                                                                                                                                                                                                                                                                                                                                                                           |  | <b>Date:</b><br>04/21/25                                                                 |  |
| <b>Direction Photo Taken:</b><br><br>West                                                                                                                                                                                                                                                                                                                                                               |  |       |  |
| <b>Description:</b><br><br>Looking west at area formerly occupied by aboveground Enterprise lines and utility sheds; aboveground lines and sheds have been decommissioned and removed from well pad as shown by lighter colored backfill material (see photos 8 and 11 for former Enterprise utilities). Aboveground flare line has also been added to heater-treater area, as shown on left-hand side. |  |                                                                                          |  |

|                                                                                                                                                           |  |                                                                                      |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|
| <b>Photo No.</b><br><b>24</b>                                                                                                                             |  | <b>Date:</b><br>04/23/25                                                             |  |
| <b>Direction Photo Taken:</b><br><br>South                                                                                                                |  |  |  |
| <b>Description:</b><br><br>Looking south at hydrovac-exposed/daylit underground portion of Enterprise line that has been capped but will remain in place. |  |                                                                                      |  |



| <b>AECOM</b>                                                                                                                                  |                          | <b>APPENDIX C<br/>PHOTOGRAPHIC LOG</b>                                                   |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------|--|
| <b>Project Number:</b><br>60743624                                                                                                            |                          | <b>Site Location:</b><br>Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico |  |
| <b>Page 13 of 14</b>                                                                                                                          |                          |                                                                                          |  |
| <b>Photo No.</b><br><b>25</b>                                                                                                                 | <b>Date:</b><br>04/24/25 |       |  |
| <b>Direction Photo Taken:</b><br><br>Northwest                                                                                                |                          |                                                                                          |  |
| <b>Description:</b><br><br>Looking northwest at excavation area dug to 4-5 feet below ground surface, underneath former Enterprise utilities. |                          |                                                                                          |  |

|                                                                                                                                               |                          |                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------|
| <b>Photo No.</b><br><b>26</b>                                                                                                                 | <b>Date:</b><br>04/24/25 |  |
| <b>Direction Photo Taken:</b><br><br>Southwest                                                                                                |                          |                                                                                      |
| <b>Description:</b><br><br>Looking northwest at excavation area dug to 4-5 feet below ground surface, underneath former Enterprise utilities. |                          |                                                                                      |



| <b>AECOM</b>                                                                                                                                                                                                   |  | <b>APPENDIX C<br/>PHOTOGRAPHIC LOG</b>                                                   |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------|--|
| <b>Project Number:</b><br>60743624                                                                                                                                                                             |  | <b>Site Location:</b><br>Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico |  |
| <b>Photo No.</b><br><b>27</b>                                                                                                                                                                                  |  | <b>Date:</b><br>04/25/25                                                                 |  |
| <b>Direction Photo Taken:</b><br><br>North                                                                                                                                                                     |  |       |  |
| <b>Description:</b><br><br>Looking north at backfilled excavation in former Enterprise line area. Capped standpipe for Enterprise line and new aboveground flare line visible in top-central portion of photo. |  |                                                                                          |  |

|                                                                                                       |  |                                                                                      |  |
|-------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|
| <b>Photo No.</b><br><b>28</b>                                                                         |  | <b>Date:</b><br>04/25/25                                                             |  |
| <b>Direction Photo Taken:</b><br><br>Southwest                                                        |  |  |  |
| <b>Description:</b><br><br>Looking southwest at backfilled excavation in former Enterprise line area. |  |                                                                                      |  |

Remedial Summary Report and  
Limited Deferral Request

# Appendix E

## Soil Disposal Documentation





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Dustin KizerPhone No. 575-266-2766

## GENERATOR

NO. **342535**

Operator No. \_\_\_\_\_  
Operators Name Reuben Redford  
Address 1301 Loma Dr  
City, State, Zip Bedford NM 88220  
Phone No. 575-887-5675

Permit/RRC No. \_\_\_\_\_  
Lease/Well \_\_\_\_\_  
Name & No. Amoco Fatoral II CTB  
County \_\_\_\_\_  
API No. 30-015-22975  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. UCU51T03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from **Non-Exempt Waste List** on back

QUANTITY B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
Address 2500 N. Alameda St  
Carlsbad NM 88220  
Phone No. \_\_\_\_\_

Driver's Name Joe Vanner  
Phone No. \_\_\_\_\_  
Truck No. 69  
WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065  
Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

| Feet      | Inches | BS&W Received  | BS&W (%) |
|-----------|--------|----------------|----------|
| 1st Gauge |        | Free Water     |          |
| 2nd Gauge |        | Total Received |          |
| Received  |        |                |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Reddy ViscPhone No. 575-262-2265

## GENERATOR

NO. 342526

Operator No. \_\_\_\_\_

Operators Name Thurman RuskoffAddress 5301 Lamar DRCity, State, Zip Durham NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amore Federal 11 CTB

County \_\_\_\_\_

API No. 30-015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 11051 TO 3X

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&P Contaminated Soil X

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Arthy M...DATE 6-23-24SIGNATURE Arthy M...

## TRANSPORTER

Transporter's Name BRTAddress 75 N. Industrial Rd. Malaga, MIPhone No. 887-2Driver's Name Andres Rodriguez

Phone No. \_\_\_\_\_

Truck No. 1117WHP No. 2775

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 07/23/24DRIVER'S SIGNATURE Andres Rodriguez

TRUCK TIME STAMP

## DISPOSAL FACILITY

RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/  
Permit No.Red Bluff Facility / STF-065

Address

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Guage

2nd Guage

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Arto Kizer

Phone No. 575-266-2266

GENERATOR

NO. 342528

Operator No. \_\_\_\_\_  
Operators Name Chewon Buckner  
Address 5301 Tomas DR  
City, State, Zip Buckner NM 88220  
Phone No. 575-887-5676

Permit/RRC No. \_\_\_\_\_  
Lease/Well Name & No. Amco Federal 11 CTB  
County \_\_\_\_\_  
API No. 30-115-22975  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. UCUS1T03X

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |          |                                             |       |                                                                |       |
|---------------------------|----------|---------------------------------------------|-------|----------------------------------------------------------------|-------|
| Oil Based Muds            | _____    | NON-INJECTABLE WATERS                       | _____ | OTHER EXEMPT WASTES (type and generation process of the waste) | _____ |
| Oil Based Cuttings        | _____    | Washout Water (Non-Injectable)              | _____ |                                                                |       |
| Water Based Muds          | _____    | Completion Fluid/Flow Back (Non-Injectable) | _____ |                                                                |       |
| Water Based Cuttings      | _____    | Produced Water (Non-Injectable)             | _____ |                                                                |       |
| Produced Formation Solids | _____    | Gathering Line Water/Waste (Non-Injectable) | _____ |                                                                |       |
| Tank Bottoms              | _____    | INTERNAL USE ONLY                           | _____ |                                                                |       |
| E&P Contaminated Soil     | <u>X</u> | Truck Washout (exempt waste)                | _____ |                                                                |       |
| Gas Plant Waste           | _____    |                                             |       |                                                                |       |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS Y-YARDS 30 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Black River Trucking  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_

Driver's Name Luis Rios  
Phone No. \_\_\_\_\_  
Truck No. #3  
WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065  
Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

TANK BOTTOMS

|           |       |        |                |          |
|-----------|-------|--------|----------------|----------|
|           | Feet  | Inches | BS&W Received  | BS&W (%) |
| 1st Guage | _____ | _____  | Free Water     | _____    |
| 2nd Guage | _____ | _____  | Total Received | _____    |
| Received  | _____ | _____  |                |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name 122-600Phone No.                     

## GENERATOR

NO. 342552

Operator No.                     

Operators Name Chevron Corshod NM

Address 5301- Lamar dr

City, State, Zip Corshod NM 88720

Phone No. 575-887-5670

Permit/RRC No.                     

Lease/Well Name & No. Amoco Pool 11 (TR 1)

County La Brea

API No. 31-015-02975

Rig Name & No. ORUS 1108X

AFE/PO No.                     

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other                      \*please select from **Non-Exempt Waste List** on backQUANTITY                      B-BARRELS 30 Y-YARDS                      E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE 7/11/24DATE 7/23/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River Trucking

Address                     

Phone No.                     

Driver's Name Jesus Villalobos

Phone No.                     

Truck No. 15

WHP No.                     

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-23-24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7-23-24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN:                      OUT:                     

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.                     

Site Name/ Permit No. Red Bluff Facility / STF-065

Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)                     

## TANK BOTTOMS

| 1st Gauge | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?                     NAME (PRINT)                     DATE                     TITLE                     SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Patricia KiserPhone No. 575-266-7266

## GENERATOR

NO. **342529**

Operator No. \_\_\_\_\_  
Operators Name Chavon Parkland  
Address 5301 Lamar Dr  
City, State, Zip Rockport TX 78220  
Phone No. 575-587-5676

Permit/RRC No. \_\_\_\_\_  
Lease/Well Name & No. Amco East 11 CTB 1  
County \_\_\_\_\_  
API No. 36-015-22975  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. 110451T03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |          |                                             |       |                                                                |
|---------------------------|----------|---------------------------------------------|-------|----------------------------------------------------------------|
| Oil Based Muds            | _____    | NON-INJECTABLE WATERS                       | _____ | OTHER EXEMPT WASTES (type and generation process of the waste) |
| Oil Based Cuttings        | _____    | Washout Water (Non-Injectable)              | _____ | <u>Belly dump</u>                                              |
| Water Based Muds          | _____    | Completion Fluid/Flow Back (Non-Injectable) | _____ |                                                                |
| Water Based Cuttings      | _____    | Produced Water (Non-Injectable)             | _____ |                                                                |
| Produced Formation Solids | _____    | Gathering Line Water/Waste (Non-Injectable) | _____ |                                                                |
| Tank Bottoms              | _____    | INTERNAL USE ONLY                           | _____ |                                                                |
| E&P Contaminated Soil     | <u>X</u> | Truck Washout (exempt waste)                | _____ |                                                                |
| Gas Plant Waste           | _____    |                                             |       |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from **Non-Exempt Waste List** on backQUANTITY \_\_\_\_\_ B-BARRELS \_\_\_\_\_ Y-YARDS 20 E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_

Driver's Name Manuel R. C.  
Phone No. \_\_\_\_\_  
Truck No. 14  
WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. \_\_\_\_\_

Site Name/ Permit No. Red Bluff Facility / STF-065  
Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           |       |        |
|-----------|-------|--------|
|           | Feet  | Inches |
| 1st Gauge | _____ | _____  |
| 2nd Gauge | _____ | _____  |
| Received  | _____ | _____  |

|                |       |          |       |
|----------------|-------|----------|-------|
| BS&W Received  | _____ | BS&W (%) | _____ |
| Free Water     | _____ |          | _____ |
| Total Received | _____ |          | _____ |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Pickton KizerPhone No. 575-260-2000

## GENERATOR

NO. **342553**

Operator No. \_\_\_\_\_  
Operators Name Chevron Carlshod NM  
Address 5301 Luning dr  
City, State, Zip Carlshod NM 88720  
Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_  
Lease/Well Name & No. Amoco pad 11 CTB1  
County Eddy  
API No. 30-015-7775  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. 0015 U03Y

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |       |                                             |       |                                                                |       |
|---------------------------|-------|---------------------------------------------|-------|----------------------------------------------------------------|-------|
| Oil Based Muds            | _____ | NON-INJECTABLE WATERS                       | _____ | OTHER EXEMPT WASTES (type and generation process of the waste) | _____ |
| Oil Based Cuttings        | _____ | Washout Water (Non-Injectable)              | _____ |                                                                |       |
| Water Based Muds          | _____ | Completion Fluid/Flow Back (Non-Injectable) | _____ |                                                                |       |
| Water Based Cuttings      | _____ | Produced Water (Non-Injectable)             | _____ |                                                                |       |
| Produced Formation Solids | _____ | Gathering Line Water/Waste (Non-Injectable) | _____ |                                                                |       |
| Tank Bottoms              | _____ | INTERNAL USE ONLY                           | _____ |                                                                |       |
| E&P Contaminated Soil     | _____ | Truck Washout (exempt waste)                | _____ |                                                                |       |
| Gas Plant Waste           | _____ |                                             |       |                                                                |       |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from **Non-Exempt Waste List** on backQUANTITY 70 B-BARRELS 0 Y-YARDS 0 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Ilia KernerDATE 7/23/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River Trucking  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_

Driver's Name Brayan Razo  
Phone No. \_\_\_\_\_  
Truck No. #01  
WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE Brayan RazoDELIVERY DATE 7/23/24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065  
Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|           |       |       |
|-----------|-------|-------|
| 1st Gauge | _____ | _____ |
| 2nd Gauge | _____ | _____ |
| Received  | _____ | _____ |

|                |       |          |       |
|----------------|-------|----------|-------|
| BS&W Received  | _____ | BS&W (%) | _____ |
| Free Water     | _____ |          |       |
| Total Received | _____ |          |       |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) MelissaDATE 7/23TITLE [Signature]SIGNATURE [Signature]





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name PresbPhone No. 575-266 226

## GENERATOR

NO. HW-692776

Generator Manifest # \_\_\_\_\_  
Generator Name Chevron  
Address 5301 Tomas dr  
City, State, Zip Carlsbad NM 88220  
Phone No. 575-887-5676

Location of Origin Amoco Tool II CTB  
Lease/Well Name & No. \_\_\_\_\_  
County Eddy  
API No. 00051103X  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |          |                                             |          |                                |       |
|---------------------------|----------|---------------------------------------------|----------|--------------------------------|-------|
| Oil Based Muds            | _____    | NON-INJECTABLE WATERS                       | _____    | OTHER EXEMPT E&P WASTE STREAMS | _____ |
| Oil Based Cuttings        | _____    | Washout Water (Non-Injectable)              | _____    |                                |       |
| Waste Based Muds          | _____    | Completion Fluid/Flow Back (Non-Injectable) | <u>✓</u> |                                |       |
| Water Based Cuttings      | _____    | Produced Water (Non-Injectable)             | _____    |                                |       |
| Produced Formation Solids | <u>✓</u> | Gathering Line Water/Waste (Non-Injectable) | _____    |                                |       |
| Tank Bottoms              | _____    |                                             |          |                                |       |
| E&P Contaminated Soil     | <u>✓</u> |                                             |          |                                |       |
| Gas Plant Waste           | _____    |                                             |          |                                |       |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Hydro Con  
Address Midland TX  
Phone No. 956-369-5891  
Transporter Ticket # \_\_\_\_\_

Driver's Name Ines De Luna  
Print Name Ines De Luna  
Phone No. 325 226 1134  
Truck No. 14

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

7-20-24 Ines De Luna

SHIPMENT DATE

DRIVER'S SIGNATURE

7-20-24 Ines De Luna

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. S w/o

Site Name/ Permit No. Halfway Facility / NM1-006  
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO  
PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

|           |       |        |
|-----------|-------|--------|
|           | Feet  | Inches |
| 1st Gauge | _____ | _____  |
| 2nd Gauge | _____ | _____  |
| Received  | _____ | _____  |

|                    |       |          |       |
|--------------------|-------|----------|-------|
| BS&W/BBLS Received | _____ | BS&W (%) | _____ |
| Free Water         | _____ |          |       |
| Total Received     | _____ |          |       |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

C-138

danc@northstarforms.com (877)499-0492

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR

308.R360-5240LE rev

308.R360-5240LE rev





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Presb KelsonPhone No. 575-276-2776

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. HW-692775

Generator Manifest # \_\_\_\_\_

Generator Name ChevronAddress 5301 Tomos drCity, State, Zip Carlsbad NM 88220Phone No. 575-287-5676Location of Origin  
Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_  
Oil Based Cuttings \_\_\_\_\_  
Waste Based Muds \_\_\_\_\_  
Water Based Cuttings ✓  
Produced Formation Solids ✓  
Tank Bottoms \_\_\_\_\_  
E&P Contaminated Soil ✓  
Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_  
Completion Fluid/Flow Back (Non-Injectable) ✓  
Produced Water (Non-Injectable) \_\_\_\_\_  
Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## OTHER EXEMPT E&amp;P WASTE STREAMS

## INTERNAL USE ONLY

Truck Washout (exempt waste)

YES

NO

## TOP SOIL &amp; CALICHE SALES

QUANTITY

75

TOP SOIL

CALICHE

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from **Non-Exempt Waste List** on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's  
NameAddress Midland TXPhone No. 956-269-5891

Transporter Ticket # \_\_\_\_\_

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 82010Site Name/  
Permit No.Halfway Facility / NM1-006Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No.

575-392-6368

NORM READINGS TAKEN? (Circle One)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W/BBLs Received

Free Water

Total Received

BS&amp;W (%)





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name \_\_\_\_\_

Phone No. \_\_\_\_\_

## GENERATOR

NO. HW-692771

Generator Manifest # \_\_\_\_\_  
Generator Name Chevron Carlsbad  
Address 5301 Tomas DC  
City, State, Zip Carlsbad, NM 88220  
Phone No. 575 887-5676

Location of Origin  
Lease/Well  
Name & No. Amoco Federal 11C1B  
County \_\_\_\_\_  
API No. WUS 1T03X  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                                                                            | OTHER EXEMPT E&P WASTE STREAMS |          |         |
|---------------------------|--------------------------------------------------------------------------------------------------|--------------------------------|----------|---------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)                                                                   | 35 bbl                         |          |         |
| Waste Based Muds          | Completion Fluid/Flow Back (Non-Injectable)                                                      |                                |          |         |
| Water Based Cuttings      | Produced Water (Non-Injectable)                                                                  |                                |          |         |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable)                                                      |                                |          |         |
| Tank Bottoms              | INTERNAL USE ONLY                                                                                | TOP SOIL & CALICHE SALES       |          |         |
| E&P Contaminated Soil     | Truck Washout (exempt waste) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | QUANTITY                       | TOP SOIL | CALICHE |
| Gas Plant Waste           |                                                                                                  |                                |          |         |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Hydro Con  
Address Midland TX  
Phone No. 956 369 5891  
Transporter Ticket # \_\_\_\_\_

Driver's Name Ines De Luna  
Print Name 325 226 1134  
Phone No. 19  
Truck No. 6043

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 7-W/O

Site Name/  
Permit No. Halfway Facility / NM1-006  
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐  
PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                    |  |          |  |
|--------------------|--|----------|--|
| BS&W/BBLS Received |  | BS&W (%) |  |
| Free Water         |  |          |  |
| Total Received     |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





# NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Ines

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Preston K

Phone No. 575-266-7266

## GENERATOR

NO. HW-692464

Generator Manifest # \_\_\_\_\_  
 Generator Name Chevron Carlsbad NM  
 Address 5301 Lomas dr  
 City/State, Zip Carlsbad NM 88220  
 Phone No. 575-887-5670

Location of Origin  
 Lease/Well Name & No. Amonco Federal 1101B  
 County Teller  
 API No. 30-015-22975-005H0 03V  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. \_\_\_\_\_

### EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Waste Type        | Volume   | Waste Type                                  | Volume | Waste Type                     | Volume |
|-------------------|----------|---------------------------------------------|--------|--------------------------------|--------|
| Drilled Muds      | _____    | Washout Water (Non-Injectable)              | _____  | Other Exempt E&P Waste Streams | _____  |
| Drilled Cuttings  | _____    | Completion Fluid/Flow Back (Non-Injectable) | _____  |                                |        |
| Based Muds        | _____    | Produced Water (Non-Injectable)             | _____  |                                |        |
| Based Cuttings    | _____    | Gathering Line Water/Waste (Non-Injectable) | _____  |                                |        |
| Formation Solids  | <u>+</u> |                                             |        |                                |        |
| Bottoms           | _____    |                                             |        |                                |        |
| Contaminated Soil | <u>X</u> |                                             |        |                                |        |
| Ant Waste         | _____    |                                             |        |                                |        |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

### NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Exempt Other \_\_\_\_\_ \*please select from **Non-Exempt Waste List** on back

ESTIMATE QUANTITY: B - BARRELS L - LIQUID Y - YARDS E - EACH

I certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and labeled, and is in proper condition for transportation according to applicable regulation.

RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Hydro Don  
 Address Midland TX  
 Phone No. 956-369-5891  
 Transporter Ticket # \_\_\_\_\_

Driver's Name Ines De Luna  
 Print Name \_\_\_\_\_  
 Phone No. 325 726 1134  
 Truck No. 74

I certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-19-24 DRIVER'S SIGNATURE Ines De Luna

DELIVERY DATE 7-19-24 DRIVER'S SIGNATURE Ines De Luna

TRUCK TIME STAMP

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA

Name/No. 14

Facility Name/No. Halfway Facility / NM1-006  
 Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐  
 PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

## TANK BOTTOMS

| Feet  | Inches |
|-------|--------|
| _____ | _____  |
| _____ | _____  |
| _____ | _____  |

|                    |       |          |       |
|--------------------|-------|----------|-------|
| BS&W/BBLs Received | _____ | BS&W (%) | _____ |
| Free Water         | _____ |          |       |
| Total Received     | _____ |          |       |





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Preston KizerPhone No. 575-266-2262

## GENERATOR

1801 NO. 342602

Operator No. \_\_\_\_\_

Operators Name Chevron CarlshadAddress 5301 Lomas DrCity, State, Zip Carlshad, NM 88220Phone No. 575-887-5676

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Federal 11 CTB

County \_\_\_\_\_

API No. 30-015-22975-UCUSHT03X

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |          |                                             |       |                                                                |       |
|---------------------------|----------|---------------------------------------------|-------|----------------------------------------------------------------|-------|
| Oil Based Muds            | _____    | NON-INJECTABLE WATERS                       | _____ | OTHER EXEMPT WASTES (type and generation process of the waste) | _____ |
| Oil Based Cuttings        | _____    | Washout Water (Non-Injectable)              | _____ |                                                                |       |
| Water Based Muds          | _____    | Completion Fluid/Flow Back (Non-Injectable) | _____ |                                                                |       |
| Water Based Cuttings      | _____    | Produced Water (Non-Injectable)             | _____ |                                                                |       |
| Produced Formation Solids | _____    | Gathering Line Water/Waste (Non-Injectable) | _____ |                                                                |       |
| Tank Bottoms              | _____    | INTERNAL USE ONLY                           | _____ |                                                                |       |
| E&P Contaminated Soil     | <u>X</u> | Truck Washout (exempt waste)                | _____ |                                                                |       |
| Gas Plant Waste           | _____    |                                             |       |                                                                |       |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from **Non-Exempt Waste List** on back

QUANTITY B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Hydro, ConAddress Midland TXPhone No. 956-369-5891Driver's Name Tina De LunaPhone No. 375-226-1134Truck No. 14WHP No. 6043

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 147 W/CSite Name/ Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|           |       |       |
|-----------|-------|-------|
| 1st Guage | _____ | _____ |
| 2nd Guage | _____ | _____ |
| Received  | _____ | _____ |

|                |       |          |       |
|----------------|-------|----------|-------|
| BS&W Received  | _____ | BS&W (%) | _____ |
| Free Water     | _____ |          |       |
| Total Received | _____ |          |       |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Pranton KiserPhone No. 575-266-0000

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342603

Generator No. \_\_\_\_\_  
Generator Name Chevron Carlsbad  
Address 5301 Tomas Dr  
City Carlsbad NM Zip 88220  
Phone No. 575-937-5676

Permit/RRC No. \_\_\_\_\_  
Lease/Well Name & No. Amoco Federal 11 #001  
County Curry  
API No. 30-015-22975  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. WCC UEUS1T03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Waste Type        | Volume | Waste Type                                  | Volume |
|-------------------|--------|---------------------------------------------|--------|
| Produced Muds     | _____  | NON-INJECTABLE WATERS                       | _____  |
| Produced Cuttings | _____  | Washout Water (Non-Injectable)              | _____  |
| Drilling Muds     | _____  | Completion Fluid/Flow Back (Non-Injectable) | _____  |
| Drilling Cuttings | _____  | Produced Water (Non-Injectable)             | _____  |
| Formation Solids  | _____  | Gathering Line Water/Waste (Non-Injectable) | _____  |
| Bottoms           | _____  | INTERNAL USE ONLY                           | _____  |
| Contaminated Soil | _____  | Truck Washout (exempt waste)                | _____  |
| Other Waste       | _____  |                                             |        |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Exempt Other \_\_\_\_\_ \*please select from **Non-Exempt Waste List** on backWASTE QUANTITY: 10.4 B-BARRELS 10.4 Y-YARDS \_\_\_\_\_ E-EACH

I certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and labeled, and is in proper condition for transportation according to applicable regulation.

RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Carrier's Name Hudco Con  
Address Midland TX  
Phone No. 956-369-5891

Driver's Name Iner De Luna  
Phone No. 925 226 1134  
Truck No. 14  
WHP No. 6043

I certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

Shipment Date 7-18-24 Driver's Signature Iner De Luna

Delivery Date 7-18-24 Driver's Signature Iner De Luna

TRUCK TIME STAMP

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA

Name/No. \_\_\_\_\_

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|       |       |
|-------|-------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

|                |       |          |       |
|----------------|-------|----------|-------|
| BS&W Received  | _____ | BS&W (%) | _____ |
| Free Water     | _____ |          |       |
| Total Received | _____ |          |       |

ACCEPTED

DENIED

If denied, why?





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Roshan K. K.Phone No. 579-710-7711

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342408

Operator No. \_\_\_\_\_

Operators Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

County \_\_\_\_\_

API No. \_\_\_\_\_

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS 20 Y-YARDS 20 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE 7/25/24

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name \_\_\_\_\_

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/25/24DRIVER'S SIGNATURE Brayden R. Z.

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Permit No. \_\_\_\_\_

Address \_\_\_\_\_

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No. \_\_\_\_\_

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_



## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Reslon K...

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Reslon K...Phone No. 575-944-7777

## GENERATOR

NO. 342410

Operator No. \_\_\_\_\_  
 Operators Name Chavon Portabed NM  
 Address 5301 Highway 211  
 City, State, Zip Highland NM  
 Phone No. 575-847-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco red 11 oil  
 County Lea  
 API No. 30-115-22475  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. YUS 1103V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 77 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
 Address 25 Nicholas Rd  
Malaga NM  
 Phone No. 575-845-2309

Driver's Name Servando Dominguez  
 Phone No. 575-840-9053  
 Truck No. 149  
 WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-25-24 DRIVER'S SIGNATURE Servando Dominguez DELIVERY DATE 7-25-24 DRIVER'S SIGNATURE Servando Dominguez

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 18

Site Name/ Permit No. Red Bluff Facility / STE-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Prodan KelsonPhone No. 575-266-2766

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342411

Operator No. \_\_\_\_\_

Operators Name Shannon Carlsbad NMAddress 5301 Broadway DrCity, State, Zip Carlsbad NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco pool 116R-1County CurryAPI No. 30-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. Cur 1703V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Relly dome</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Tim KelsonDATE 7/25/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River TruckingAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez

Phone No. \_\_\_\_\_

Truck No. 147WHP No. 2275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE Andres RodriguezDELIVERY DATE 07/25/24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 18Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|           |  |
|-----------|--|
| 1st Gauge |  |
| 2nd Gauge |  |
| Received  |  |

|                |          |
|----------------|----------|
| BS&W Received  | BS&W (%) |
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED ☒DENIED ☐

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/25/24TITLE [Signature]SIGNATURE [Signature]









## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Robert K. KellyPhone No. 575-216-7111

## GENERATOR

NO. 342413

Operator No. \_\_\_\_\_

Operators Name Abraham Chikobor NMAddress 5701 100thCity, State, Zip Albuquerque NM 87120Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well Amor Red Well 1

Name &amp; No. \_\_\_\_\_

County TellerAPI No. 38-015-21975Rig Name & No. ONS 1708X

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elmer KauerDATE 7/25/21

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Black River TruckingAddress 25 N. Lincoln AveMadaga NM 87042

Phone No. \_\_\_\_\_

Driver's Name Tyler Lamer

Phone No. \_\_\_\_\_

Truck No. 69

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7-25-21

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 18

Site Name/

Permit No. Red Bluff Facility / STF-065-Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) Elmer KauerDATE 7/25TITLE Owner

SIGNATURE \_\_\_\_\_





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Reshan K. B...Phone No. 75-241-7700

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342414

Operator No. \_\_\_\_\_

Operators Name Alvaron OrlahadAddress 5301 James StCity, State, Zip Wichita NM 87702Phone No. 575-222-6677

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Ameco port 11 016-1County EdmAPI No. 30-015-27475Rig Name & No. Cos 1103V

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elm BorwickDATE 7/25/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Southern Empire LLCAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Luis Riera

Phone No. \_\_\_\_\_

Truck No. #5

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-25-24DRIVER'S SIGNATURE [Signature]

DELIVERY DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? AmNAME (PRINT) ScaraDATE 7/25/24TITLE AmSIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Heath K. KiserPhone No. 575 266 2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342417

Operator No. \_\_\_\_\_

Operators Name Jefferson ChisholmAddress 5301 Lomas RdCity, State, Zip Chisholm TX 79901Phone No. 575-487-5015

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Alvord rd 11 c16 1County CHITAPI No. 30-05-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 0051003V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s) is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE John KiserDATE 7/25/21SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Southern Empire LLCAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Luis Riro

Phone No. \_\_\_\_\_

Truck No. #3

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-25-24DRIVER'S SIGNATURE [Signature]

DELIVERY DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. HA/KWASite Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet Inches

|           |  |  |
|-----------|--|--|
| 1st Gauge |  |  |
| 2nd Gauge |  |  |
| Received  |  |  |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED 7/25DENIED AK

If denied, why? \_\_\_\_\_

NAME (PRINT) John KiserDATE 7/25TITLE AKSIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Debra KiserPhone No. 575-744-776

(PLEASE PRINT) \*REQUIRED INFORMATION\*

## GENERATOR

NO. 342432

Operator No. \_\_\_\_\_  
 Operators Name Chellon  
 Address 5301 JAMES  
 City, State, Zip Odessa TX 79720  
 Phone No. 575-887-9670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco prod 11 alb 1  
 County Tarrant  
 API No. 30-015-2295  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. 1005 1503V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 80 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Flin Kiser  
(PRINT) AUTHORIZED AGENTS SIGNATURE7/25/24  
DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Rico & Sons Trucking  
 Address 1347  
 Phone No. \_\_\_\_\_

Driver's Name Alvin Lira  
 Phone No. \_\_\_\_\_  
 Truck No. 14  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 20

Site Name/  
 Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED ☒DENIED ☐

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name: Preston KetchumPhone No: 75-711-7111

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342433

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 9301 LongsCity, State, Zip Corpus Christi, TX 78401Phone No. 361-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco prod well 4County EdwardsAPI No. 42-015-77475Rig Name & No. 0115 ITOTV

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS 21 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Flin KnickerDATE 7/25/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Southern Empire LLCAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Luis Rico

Phone No. \_\_\_\_\_

Truck No. #3

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-25-24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7-25-24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|           |  |
|-----------|--|
| 1st Gauge |  |
| 2nd Gauge |  |
| Received  |  |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/25/24TITLE [Signature]SIGNATURE [Signature]





# TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Presbn KizerPhone No 575-266-2246

## GENERATOR

NO. 342502

Operator No. \_\_\_\_\_ Permit/RRC No. \_\_\_\_\_  
 Operators Name Chevron Carlbad Lease/Well Amoco Federal 11 CTB  
 Address 5301 Lomas Dr. County Eddy  
 City, State, Zip Carlbad, NM 88220 API No. 30-015-22975  
 Phone No. 575-467-5676 Rig Name & No. UCUS LT 19 X  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name BRT Driver's Name Andres Rodriguez  
 Address 5000 Nicholas Rd. Mataga Phone No. \_\_\_\_\_  
Nm 88262 Truck No. 147  
 Phone No. \_\_\_\_\_ WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/  
Permit No.Red Bluff Facility / STF-065  
5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

Address

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Arturo KizerPhone No. 575-266-2366

Operator No. Abraham Parkland  
 Operators Name 5301 Lomas Dr  
 Address Abraham Parkland  
 City, State, Zip Abraham Parkland NM 8220  
 Phone No. 8220

## GENERATOR

NO. 342503

Permit/RRC No. Abraham Parkland  
 Lease/Well Name & No. Abraham Parkland  
 County Abraham Parkland  
 API No. 30-015-22915  
 Rig Name & No. 40451503X  
 AFE/PO No. 40451503X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on backQUANTITY 20 B-BARRELS 20 Y-YARDS 20 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

Transporter's Name Black River Trucking  
 Address 25 N. Nicholas Rd  
 Phone No. 575-745-2309

## TRANSPORTER

Driver's Name Seamus Dominguez  
 Phone No. 575-349-7053  
 Truck No. 149  
 WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-22-24 DRIVER'S SIGNATURE Seamus Dominguez DELIVERY DATE 7-22-24 DRIVER'S SIGNATURE Seamus Dominguez

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_Name/No. 18

Site Name/Permit No. Red Bluff Facility - STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NO  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

| Feet      | Inches | BS&W Received  | BS&W (%) |
|-----------|--------|----------------|----------|
| 1st Gauge |        | Free Water     |          |
| 2nd Gauge |        | Total Received |          |
| Received  |        |                |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name KarlsonPhone No. 575-266-216

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342504

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☒ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 78Site Name/  
Permit No.Red Bluff Facility / STF-065

Address

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one).

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Armando H. CortezPhone No. 572-18-1216

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342505**

Operator No. \_\_\_\_\_

Permit/RIC No. \_\_\_\_\_

Operators Name Chevron Carlsbad

Lease/Well

Address 5301 Lomas Dr.Name & No. Armando H. CortezCity, State, Zip Carlsbad NM 88220

County

Phone No. 505-287-5076API No. 30-015-22975Rig Name & No. 1200 15058

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

BollyWASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCIP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River TruckingDriver's Name Joe RamirezAddress 210 N. 1st St. P.O. Box 100Phone No. 572-18-1216

Phone No. \_\_\_\_\_

Truck No. 67

WHIP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED 7/22

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## Company Man Contact Information

Name Barbara KizerPhone No. 575-266-7246

## GENERATOR

NO. 342506

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN:

OUT:

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

DATE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Prashant K. ReddyPhone No. 575-280-2266

## GENERATOR

NO. **342507**

Operator No. \_\_\_\_\_

Operators Name Chesum CarlsbadAddress 5301 Lomas Dr.City, State, Zip Carlsbad NM 88220Phone No. 575-280-5646

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Federal 11 CTB 1

County \_\_\_\_\_

API No. 30-015 22915Rig Name & No. N/AAFE/PO No. UCUS1303X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

**20** Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Blaze River Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Jesus Villalobos

Phone No. \_\_\_\_\_

Truck No. 15

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/  
Permit No.Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX-79770

NORM READINGS TAKEN? (Circle One)

YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Robert K. ...Phone No. 575-226-2244

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342508

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name &amp; No.

County

City, State, Zip

API No.

Phone No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

## NON-INJECTABLE WATERS

OTHER EXEMPT WASTES (type and generation process of the waste)

Oil Based Cuttings

Washout Water (Non-Injectable)

Water Based Muds

Completion Fluid/Flow Back (Non-Injectable)

Water Based Cuttings

Produced Water (Non-Injectable)

Produced Formation Solids

Gathering Line Water/Waste (Non-Injectable)

Tank Bottoms

## INTERNAL USE ONLY

E&amp;P Contaminated Soil

Gas Plant Waste

Truck Washout (exempt waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

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☐ RCRA NON-EXEMPT:

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☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: OUT:

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one).

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

done@northstarforms.com  
(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308 R360-5160R

NAME (PRINT)

DATE

TITLE

SIGNATURE

Released to Imaging: 8/14/2026 5:00:02 PM

done@northstarforms.com  
(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308 R360-5160R





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Richard Kiser

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Richard KiserPhone No. 575-266-7706

Operator No. \_\_\_\_\_  
Operators Name Maxon Rutland  
Address 5301 COMMERCE DR  
City, State, Zip Midland NM 88420  
Phone No. 575-887-5676

Permit/RRC No. \_\_\_\_\_  
Lease/Well Name & No. Amoco's Padco 11 CTB1  
County MIDLAND  
API No. 30-015-22975  
Rig Name & No. 11051T03X  
AFE/PO No. \_\_\_\_\_

## GENERATOR

NO. 342510

| EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards) |                                             |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Oil Based Muds                                                                                                 | NON-INJECTABLE WATERS                       |
| Oil Based Cuttings                                                                                             | Washout Water (Non-Injectable)              |
| Water Based Muds                                                                                               | Completion Fluid/Flow Back (Non-Injectable) |
| Water Based Cuttings                                                                                           | Produced Water (Non-Injectable)             |
| Produced Formation Solids                                                                                      | Gathering Line Water/Waste (Non-Injectable) |
| Tank Bottoms                                                                                                   | INTERNAL USE ONLY                           |
| E&P Contaminated Soil                                                                                          | Truck Washout (exempt waste)                |
| Gas Plant Waste                                                                                                |                                             |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS Y-YARDS 20 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_

Driver's Name Bryan Rizzo  
Phone No. \_\_\_\_\_  
Truck No. #01  
WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/Permit No. Red Bluff Facility / STF-065  
Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

| BS&W Received  | BS&W (%) |
|----------------|----------|
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Paul KiserPhone No. 75-266-7100

## GENERATOR

NO. **342511**

Operator No. \_\_\_\_\_  
 Operators Name Chavon Puckett  
 Address 5311 10th St  
 City, State, Zip Chickadee NM 88220  
 Phone No. 505-897-5678

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amco Falcott 11 CTR #2  
 County \_\_\_\_\_  
 API No. \_\_\_\_\_  
 Rig Name & No. 3015-22975  
 AFE/PO No. TRUSIT03V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |          |                                             |       |                                                                |               |
|---------------------------|----------|---------------------------------------------|-------|----------------------------------------------------------------|---------------|
| Oil Based Muds            | _____    | NON-INJECTABLE WATERS                       | _____ | OTHER EXEMPT WASTES (type and generation process of the waste) | <u>Be 1/4</u> |
| Oil Based Cuttings        | _____    | Washout Water (Non-Injectable)              | _____ |                                                                |               |
| Water Based Muds          | _____    | Completion Fluid/Flow Back (Non-Injectable) | _____ |                                                                |               |
| Water Based Cuttings      | _____    | Produced Water (Non-Injectable)             | _____ |                                                                |               |
| Produced Formation Solids | _____    | Gathering Line Water/Waste (Non-Injectable) | _____ |                                                                |               |
| Tank Bottoms              | _____    | INTERNAL USE ONLY                           | _____ |                                                                |               |
| E&P Contaminated Soil     | <u>X</u> | Truck Washout (exempt waste)                | _____ |                                                                |               |
| Gas Plant Waste           | _____    |                                             |       |                                                                |               |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on per load basis only)

☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulation 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name ADT  
 Address 1000 N. Main St  
 Phone No. 505-215-0791

Driver's Name Paul Kiser  
 Phone No. 505-215-0791  
 Truck No. 69  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NO  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet  | Inches |
|-----------|-------|--------|
| 1st Gauge | _____ | _____  |
| 2nd Gauge | _____ | _____  |
| Received  | _____ | _____  |

|                |       |          |       |
|----------------|-------|----------|-------|
| BS&W Received  | _____ | BS&W (%) | _____ |
| Free Water     | _____ |          |       |
| Total Received | _____ |          |       |

I hereby certify that the above load material has been (circle one):

ACCEPTED 7/22/24

DENIED

If denied, why? \_\_\_\_\_

(NAME (PRINT))

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Barth KiserPhone No. 575-366-2264

## GENERATOR

NO. 342512

Operator No. \_\_\_\_\_

Operators Name Maximo MartinezAddress 5301 10th St DECity, State, Zip Delaware NM 88220Phone No. 575-887-5628

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Eadsell 11 CTB 1

County \_\_\_\_\_

API No. 20-015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. UC451T03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Manuel RicoPhone No. 575-74

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX-79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        |                |          |
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Ramon KiserPhone No. 575-266-2766

## GENERATOR

NO. 342513

Operator No. \_\_\_\_\_

Operators Name Champion Petroleum NMAddress 5301 Lomas DrCity, State, Zip Bellevue NM 88220Phone No. 575-887-5070

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amco Federal II CTBCounty TCHAPI No. 30-615-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. ACUSIT03V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&P Contaminated Soil X

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENT'S SIGNATURE Anthony M. SmithDATE 7-22-24SIGNATURE Anthony M. Smith

## TRANSPORTER

Transporter's Name BRT

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez

Phone No. \_\_\_\_\_

Truck No. 117WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 07/23/24DRIVER'S SIGNATURE Andres RodriguezDELIVERY DATE 07/23/24DRIVER'S SIGNATURE Andres Rodriguez

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 208Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge  
2nd Gauge  
Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) Anthony M. SmithDATE 7/23

TITLE \_\_\_\_\_

SIGNATURE Anthony M. Smith





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Proctor, KizerPhone No. 575-266-2216

## GENERATOR

NO. 342514

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Arthur LeePhone No. 575-746-7270

## GENERATOR

NO. **342515**

Operator No. \_\_\_\_\_  
 Operators Name Chaslon Paulsford NM  
 Address 5301 Lomas Dr  
 City, State, Zip Midland NM 88220  
 Phone No. 575-887-5070

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amco Federal II CTB 1  
 County Edmi  
 API No. 30-1015-22975  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. CRUSIT03V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |       |                                             |                                                                |
|---------------------------|-------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Muds            | _____ | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
| Oil Based Cuttings        | _____ | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | _____ | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | _____ | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | _____ | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | _____ | INTERNAL USE ONLY                           | Belly dump                                                     |
| E&P Contaminated Soil     | X     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           | _____ |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name Luis Rios  
 Phone No. \_\_\_\_\_  
 Truck No. \_\_\_\_\_  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. SD

Site Name/  
 Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NO  
 NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Barla KizerPhone No. 575-266-2280

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342516

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Richard KizerPhone No. 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342517

Operator No. \_\_\_\_\_

Operators Name Chevron Petroleum NMAddress 5301 Lomas DrCity, State, Zip Culbuck NM 88220Phone No. 575-287-5020

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amco Fender 11 CTDCounty IdaliaAPI No. 30-015-02975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. CRUSIT03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&P Contaminated Soil X

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Author MarkDATE 7-23-21SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Bluff N. Ver turning

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name John V. H. H. H. H.

Phone No. \_\_\_\_\_

Truck No. 15

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 07-23-21

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. [Signature]

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 11-23-21

TITLE \_\_\_\_\_

SIGNATURE [Signature]donc@northstarforms.com  
(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160C

(877) 499-0492

WHITE - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160R





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Paula LopezPhone No. 515-216-2266

## GENERATOR

NO. **342519**

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 301 James St.City, State, Zip Galveston, TX 77550Phone No. 409-25676

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Aliso 2-1-11-11-11

County \_\_\_\_\_

API No. \_\_\_\_\_

Rig Name & No. Aliso 2-1-11-11-11AFE/PO No. Aliso 2-1-11-11-11

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_  
 Oil Based Cuttings \_\_\_\_\_  
 Water Based Muds \_\_\_\_\_  
 Water Based Cuttings \_\_\_\_\_  
 Produced Formation Solids \_\_\_\_\_  
 Tank Bottoms \_\_\_\_\_  
 E&P Contaminated Soil Y \_\_\_\_\_  
 Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_  
 Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_  
 Produced Water (Non-Injectable) \_\_\_\_\_  
 Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS 20

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE 5-28-2025

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Black River Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Manuel Ace

Phone No. \_\_\_\_\_

Truck No. 14

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 5-28-2025

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 5-28-2025

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Red Bluff Facility / STF-065

Permit No. \_\_\_\_\_

Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

-ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) Manuel AceDATE 5-28-2025

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Andres RodriguezPhone No. 575-346-2265

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342520

Operator No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Operators Name Manuel Martinez

Lease/Well

Address 501 Thoma DrName & No. Manuel Martinez 11 CTB 1City, State, Zip Del Rio NM 88020

County

Phone No. 575-387-5625API No. 32-015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. LU451 Jo 3X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS 30 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's

Name BRTDriver's Name Andres RodriguezAddress 25 N. Michigan Rd. Mataga

Phone No. \_\_\_\_\_

Phone No. N.M. 88763Truck No. 147WHP No. 1775

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        |                |          |
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐ If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE

donc@northstarforms.com  
(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

708 9260-5160A





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Franklin 61205Phone No. 375-216-2065

## GENERATOR

NO. 342521

Operator No. \_\_\_\_\_

Operators Name Chevron Carlsbad  
Address 5301 Limes Dr.City, State, Zip Carlsbad NM 88220  
Phone No. 505 867 5676Permit/RRC No. \_\_\_\_\_  
Lease/Well Name & No. Arcoo Federal 11 C7B  
County \_\_\_\_\_  
API No. 30-015-20475  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. 10051503X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_  
Oil Based Cuttings \_\_\_\_\_  
Water Based Muds \_\_\_\_\_  
Water Based Cuttings \_\_\_\_\_  
Produced Formation Solids \_\_\_\_\_  
Tank Bottoms \_\_\_\_\_  
E&P Contaminated Soil \_\_\_\_\_  
Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_  
Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_  
Produced Water (Non-Injectable) \_\_\_\_\_  
Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly DumpWASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS 70 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulation 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE [Signature]DATE 6-22-24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River Trucking  
Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name [Signature]  
Phone No. \_\_\_\_\_  
Truck No. #2  
WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 6-22-24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7-22-24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No. Red Bluff Facility / STF-065  
Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge Feet \_\_\_\_\_ Inches \_\_\_\_\_  
2nd Gauge \_\_\_\_\_  
Received \_\_\_\_\_BS&W Received \_\_\_\_\_ BS&W (%) \_\_\_\_\_  
Free Water \_\_\_\_\_  
Total Received \_\_\_\_\_

I hereby certify that the above load material has been (circle one):

ACCEPTED 7/22DENIED [Signature]If denied, why? [Signature]NAME (PRINT) MetishaDATE 7/22TITLE [Signature]SIGNATURE [Signature]



**R360**  
ENVIRONMENTAL  
SOLUTIONS

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Red BluffPhone No. 505-246-2266**GENERATOR**NO. 342522

Operator No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

Operators Name

Address

City, State, Zip

Phone No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds  
Oil Based Cuttings  
Water Based Muds  
Water Based Cuttings  
Produced Formation Solids  
Tank Bottoms  
E&P Contaminated Soil  
Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)  
Completion Fluid/Flow Back (Non-Injectable)  
Produced Water (Non-Injectable)  
Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analyzed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☒ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

**TRANSPORTER**

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHIP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

**DISPOSAL FACILITY**

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐  
NORM (mR/hr) \_\_\_\_\_**TANK BOTTOMS**1st Gauge  
2nd Gauge  
Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

www.2nortstarforms.com

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308 R360-5160R





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Robert LoraPhone No. 575-266-2266

## GENERATOR

NO. 342523

Operator No. \_\_\_\_\_  
 Operators Name Chamon Petroleum  
 Address 5301 KINGS DR  
 City, State, Zip Orlando NM 88220  
 Phone No. 575-287-5676

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco Field #1 MTR 1  
 County Curry  
 API No. 20-05-22975  
 Rig Name & No. N 119  
 AFE/PO No. 10015103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| OIL BASED MUDS                  | NON-INJECTABLE WATERS                             | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------------|---------------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings _____        | Washout Water (Non-Injectable) _____              | <u>Belly Dumps</u>                                             |
| Water Based Muds _____          | Completion Fluid/Flow Back (Non-Injectable) _____ |                                                                |
| Water Based Cuttings _____      | Produced Water (Non-Injectable) _____             |                                                                |
| Produced Formation Solids _____ | Gathering Line Water/Waste (Non-Injectable) _____ |                                                                |
| Tank Bottoms _____              | INTERNAL USE ONLY                                 |                                                                |
| E&P Contaminated Soil _____     | Truck Washout (exempt waste) _____                |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINESNON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
 Address 25 N. E. Holar RD  
Malaga NM  
 Phone No. 575-3445-2329

Driver's Name Servando Dominguez  
 Phone No. 575-190-4853  
 Truck No. 16275  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why? \_\_\_\_\_  
 NAME (PRINT) \_\_\_\_\_ DATE \_\_\_\_\_ TITLE \_\_\_\_\_ SIGNATURE \_\_\_\_\_





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Preston Kizer

Phone No. 545-266-22

## GENERATOR

NO. 342524

Operator No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

Operators Name

Address

City, State, Zip

Phone No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WASTES

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

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☐ RCRA NON-EXEMPT:

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☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Reuben K. 11Phone No. 575-265-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342527**

Operator No.

Operators Name Phewen BurkheadAddress 301 10th St DECity, State, Zip Bethelwood NM 88220Phone No. 505-887-5626

Permit/RRC No.

Lease/Well Drill Funded 11 CTA

Name &amp; No.

County

API No. 36-015-2297-E

Rig Name &amp; No.

AFE/PO No. UCUSIT03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&P Contaminated Soil ✓

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

Belly

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Reuben K. 11DATE 6-23-24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name

Address

Phone No.

Black River Trucking25 N. Nicholas RdMalaga NM575-746-2309

Driver's Name

Phone No.

Truck No.

WHP No.

Servando Dominguez575-840-40531496235

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

7-23-24

SHIPMENT DATE

Servando Dominguez

DRIVER'S SIGNATURE

7-23-24

DELIVERY DATE

Servando D

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN:

OUT:

Name/No. 28

Site Name/

Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Donna EizerPhone No. 575-246-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342530

Operator No. \_\_\_\_\_

Operators Name Charon BelshoffAddress 5301 KANSAS DRCity, State, Zip Patchouk ALA 38220Phone No. 575-987-5676

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Federal 11 CTR 1

County \_\_\_\_\_

API No. 20-015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 110451023V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              | <u>Belly dump</u>                                              |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS Y-YARDS 70 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Donna EizerDATE 6-22-24SIGNATURE Donna Eizer

## TRANSPORTER

Transporter's Name Black River Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Bryan Ratz

Phone No. \_\_\_\_\_

Truck No. #01

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE Bryan RatzDELIVERY DATE 7-22-24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED 7/22DENIED 7/22

If denied, why? \_\_\_\_\_

NAME (PRINT) Donna EizerDATE 7/22

TITLE \_\_\_\_\_

SIGNATURE Donna Eizer





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Barbara KiserPhone No. 575-966-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342531

Operator No. \_\_\_\_\_  
 Operators Name Chuvon Petroleum  
 Address 5301 Lomas Dr  
 City, State, Zip Addicks, TX 75002  
 Phone No. 575-987-5626

Permit/RRC No. \_\_\_\_\_  
 Lease/Well \_\_\_\_\_  
 Name & No. Chuvon Field #11 CTA 1  
 County \_\_\_\_\_  
 API No. 30-015-22975  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. UCUS102X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |          |                                             |       |                                                                |       |
|---------------------------|----------|---------------------------------------------|-------|----------------------------------------------------------------|-------|
| Oil Based Muds            | _____    | NON-INJECTABLE WATERS                       | _____ | OTHER EXEMPT WASTES (type and generation process of the waste) | _____ |
| Oil Based Cuttings        | _____    | Washout Water (Non-Injectable)              | _____ |                                                                |       |
| Water Based Muds          | _____    | Completion Fluid/Flow Back (Non-Injectable) | _____ |                                                                |       |
| Water Based Cuttings      | _____    | Produced Water (Non-Injectable)             | _____ |                                                                |       |
| Produced Formation Solids | _____    | Gathering Line Water/Waste (Non-Injectable) | _____ |                                                                |       |
| Tank Bottoms              | _____    | INTERNAL USE ONLY                           | _____ |                                                                |       |
| E&P Contaminated Soil     | <u>X</u> | Truck Washout (exempt waste)                | _____ |                                                                |       |
| Gas Plant Waste           | _____    |                                             |       |                                                                |       |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS Y-YARDS 70 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Tankers  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name David R.  
 Phone No. \_\_\_\_\_  
 Truck No. 14  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 66

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NO  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet  | Inches |
|-----------|-------|--------|
| 1st Gauge | _____ | _____  |
| 2nd Gauge | _____ | _____  |
| Received  | _____ | _____  |

|                |       |          |       |
|----------------|-------|----------|-------|
| BS&W Received  | _____ | BS&W (%) | _____ |
| Free Water     | _____ |          |       |
| Total Received | _____ |          |       |

I hereby certify that the above load material has been (circle one):

ACCEPTED 11/24

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name DoncPhone No. 361-266-2260

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342532**

Operator No. \_\_\_\_\_

Operators Name Chavon BucknerAddress 5301 Jones DrCity, State, Zip Midland NM 88220Phone No. 575-887-5076

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amco Federal II CTB

County \_\_\_\_\_

API No. 30-05-22075

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 4105103V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |          |                       |                                             |       |                                                                |
|---------------------------|----------|-----------------------|---------------------------------------------|-------|----------------------------------------------------------------|
| Oil Based Muds            | _____    | NON-INJECTABLE WATERS | Washout Water (Non-Injectable)              | _____ | OTHER EXEMPT WASTES (type and generation process of the waste) |
| Oil Based Cuttings        | _____    |                       | Completion Fluid/Flow Back (Non-Injectable) | _____ |                                                                |
| Water Based Muds          | _____    |                       | Produced Water (Non-Injectable)             | _____ |                                                                |
| Water Based Cuttings      | _____    |                       | Gathering Line Water/Waste (Non-Injectable) | _____ |                                                                |
| Produced Formation Solids | _____    | INTERNAL USE ONLY     | Truck Washout (exempt waste)                | _____ | Belly dump                                                     |
| Tank Bottoms              | _____    |                       |                                             |       |                                                                |
| E&P Contaminated Soil     | <u>X</u> |                       |                                             |       |                                                                |
| Gas Plant Waste           | _____    |                       |                                             |       |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS 30 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE DoncDATE 6-22-24SIGNATURE Donc

## TRANSPORTER

Transporter's Name Blond River Transporting

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Jose Villalobos

Phone No. \_\_\_\_\_

Truck No. 15

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-22-24DRIVER'S SIGNATURE Jose VillalobosDELIVERY DATE 7-22-24DRIVER'S SIGNATURE Jose Villalobos

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. DoncSite Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           |            |              |                |       |          |       |
|-----------|------------|--------------|----------------|-------|----------|-------|
| 1st Gauge | Feet _____ | Inches _____ | BS&W Received  | _____ | BS&W (%) | _____ |
| 2nd Gauge | _____      | _____        | Free Water     | _____ |          |       |
| Received  | _____      | _____        | Total Received | _____ |          |       |

I hereby certify that the above load material has been (circle one):

ACCEPTED 7/22/24DENIED Donc

If denied, why? \_\_\_\_\_

NAME (PRINT) DoncDATE 7/22/24TITLE DoncSIGNATURE Donc





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Robert KiserPhone No. 575-311-7766

## GENERATOR

NO. 342533

Operator No. \_\_\_\_\_  
 Operators Name Chesman Carlsted  
 Address 5301 Long St DE  
 City, State, Zip Charlotte NC 28220  
 Phone No. 575-897-5676

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Chesman Federal II CTAL  
 County \_\_\_\_\_  
 API No. 30-015-22075  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. UCUS/702V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              | <u>Belly dump</u>                                              |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS \_\_\_\_\_ Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name Jose Villalobos  
 Phone No. \_\_\_\_\_  
 Truck No. 15  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 18

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |          |
|----------------|----------|
| BS&W Received  | BS&W (%) |
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Bosko KneerPhone No 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342534

Operator No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Operators Name Amoco Production

Lease/Well

Address 5301 Jones DrName & No. Amoco Federal 11 CTCity, State, Zip Chattanooga TN 37420

County

Phone No. 575-887-5676API No. 31-015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 110051703V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS 20 (YARDS) E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. \_\_\_\_\_

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

donc@northstarforms.com  
(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308 R360-5160R





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Arthur KiserPhone No. 575-266-2266

## GENERATOR

NO. 342536

Operator No. \_\_\_\_\_  
 Operators Name Phonon Archard  
 Address 5301 LAMES DR  
 City, State, Zip Midland NM 88220  
 Phone No. 575-987-5676

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Phonon Estate 11 CTB1  
 County \_\_\_\_\_  
 API No. 30-015-22975  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. 110451103V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |                                             |                                                                |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
| Oil Based Cuttings        | Washout Water (Non-Injectable)              | <u>Belly dump</u>                                              |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
 Address 75 N. Alamo Ave. El Paso  
 Phone No. 575-274-5230

Driver's Name Severando Dominguez  
 Phone No. 575-840-9053  
 Truck No. 149  
 WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/  
 Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge \_\_\_\_\_ Feet \_\_\_\_\_ Inches \_\_\_\_\_  
 2nd Gauge \_\_\_\_\_  
 Received \_\_\_\_\_

|                |          |
|----------------|----------|
| BS&W Received  | BS&W (%) |
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED ☒DENIED ☐

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Presha K...Phone No. 575-211-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342537

Operator No. \_\_\_\_\_  
 Operators Name Chavon Akhmed  
 Address 5301 Lamar Dr  
 City, State, Zip Chickadee, MI 49720  
 Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well \_\_\_\_\_  
 Name & No. Amco red 11 CB  
 County FCHV  
 API No. 40-015-21975  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. 20111038

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Bell Dump</u>                                               |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
 Address 25 W Nicholas Rd  
Malaga NM  
 Phone No. 575-2745-2309

Driver's Name Servando Dominguez  
 Phone No. 575-240-9053  
 Truck No. 149  
 WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. \_\_\_\_\_

Site Name/ Permit No. -Red Bluff Facility / STF-065-  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Ashe K. KiserPhone No. 575-268-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342538

Operator No. \_\_\_\_\_

Operators Name Abouon Oilfield NMAddress 5301 Louns AveCity, State, Zip Childress NM 89226Phone No. 575-887-5171

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Prod ITCTB1County TerrellAPI No. 30-015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. Acus ITAZU

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

70 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elm. KiserDATE 7/24/24

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Black River Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Lucas Rice

Phone No. \_\_\_\_\_

Truck No. #1

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7-24-24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) Elm. KiserDATE 7/24/24

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Ashe KiserPhone No. 575-216-7766

## GENERATOR

NO. 342539

Operator No. \_\_\_\_\_

Operators Name Chevron Petroleum NWAddress 5301 Lomas diCity, State, Zip Chattahoochee, GA 30707Phone No. 575-297-5676

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Alamo Red 11 CTB 7County FordAPI No. 30-015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. DCLE 1103V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_  
Oil Based Cuttings \_\_\_\_\_  
Water Based Muds \_\_\_\_\_  
Water Based Cuttings \_\_\_\_\_  
Produced Formation Solids \_\_\_\_\_  
Tank Bottoms \_\_\_\_\_  
E&P Contaminated Soil \_\_\_\_\_  
Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_  
Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_  
Produced Water (Non-Injectable) \_\_\_\_\_  
Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE John KiserDATE 7/17/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Blue River Transporting

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name John Villalobos

Phone No. \_\_\_\_\_

Truck No. 15

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/24/24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. [Signature]

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Robert K. KiserPhone No. 575-766-7266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

**R360**  
ENVIRONMENTAL  
SOLUTIONS

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Robert K. KiserPhone No. 575-766-7266**GENERATOR**NO. 342540

Operator No. \_\_\_\_\_

Operators Name Chesley ConstructionAddress 5301 Louisa StCity, State, Zip Chesley, NM 87220Phone No. 575-297-5676

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amigo well 11 CR 1County ChadlerAPI No. 34-015-27975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 0105-77137

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&P Contaminated Soil ☒

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elvin KiserDATE 7/24/24

SIGNATURE \_\_\_\_\_

**TRANSPORTER**Transporter's Name Black River Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Alvin Kiser

Phone No. \_\_\_\_\_

Truck No. 14

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-24-24

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

**DISPOSAL FACILITY**

## RECEIVING AREA

Name/No. 18Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX-79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

**TANK BOTTOMS**1st Gauge  
2nd Gauge  
Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

N.M.

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Roberto K. K.Phone No 575-244-7746

## GENERATOR

NO. 342541

Operator No. \_\_\_\_\_  
Operators Name Chloron Carbonado LLC  
Address 5301 Jones Rd  
City, State, Zip Carlton, TX 79820  
Phone No. 575-887-5676

Permit/RRC No. \_\_\_\_\_  
Lease/Well Name & No. Amoco prod II CTR 1  
County El Paso  
API No. 30-015-22475  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. ACUS 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |       |                              |                                             |       |                                                                |
|---------------------------|-------|------------------------------|---------------------------------------------|-------|----------------------------------------------------------------|
| Oil Based Muds            | _____ | NON-INJECTABLE WATERS        | Washout Water (Non-Injectable)              | _____ | OTHER EXEMPT WASTES (type and generation process of the waste) |
| Oil Based Cuttings        | _____ |                              | Completion Fluid/Flow Back (Non-Injectable) | _____ |                                                                |
| Water Based Muds          | _____ |                              | Produced Water (Non-Injectable)             | _____ |                                                                |
| Water Based Cuttings      | _____ |                              | Gathering Line Water/Waste (Non-Injectable) | _____ |                                                                |
| Produced Formation Solids | _____ |                              |                                             |       |                                                                |
| Tank Bottoms              | _____ | INTERNAL USE ONLY            |                                             |       |                                                                |
| E&P Contaminated Soil     | _____ | Truck Washout (exempt waste) | _____                                       |       |                                                                |
| Gas Plant Waste           | _____ |                              |                                             |       |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 70 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE Flin K...DATE 7/24/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name BAT  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez  
Phone No. \_\_\_\_\_  
Truck No. 147  
WHP No. 1275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE [Signature]DELIVERY DATE 07/24/24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Site Name/ Permit No. Red Bluff Facility / STF-065  
Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           |       |        |
|-----------|-------|--------|
|           | Feet  | Inches |
| 1st Gauge | _____ | _____  |
| 2nd Gauge | _____ | _____  |
| Received  | _____ | _____  |

|                |       |          |       |
|----------------|-------|----------|-------|
| BS&W Received  | _____ | BS&W (%) | _____ |
| Free Water     | _____ |          |       |
| Total Received | _____ |          |       |

I hereby certify that the above load material has been (circle one)

ACCEPTED [Signature]DENIED [Signature]

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/24/24TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Barbara KizerPhone No. 575-911-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342542

Operator No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Operators Name Chavon Carlford

Lease/Well

Address 5301 LAMAR DRName & No. Amco Federal II CTB1

County

City, State, Zip Midland NM 88220API No. 30-05-22975Phone No. 575-887-5676

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 110451 TORV

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Billy dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Debbie M...DATE 6-22-24SIGNATURE Debbie M...

## TRANSPORTER

Transporter's Name Black River TankingDriver's Name Boye BarneyAddress 25 N. Alameda Dr. Midland NM 88201

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 145

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 20Site Name/ Permit No. Red Bluff Facility / STF-065Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED YESDENIED NO

If denied, why? \_\_\_\_\_

NAME (PRINT) Debbie M...DATE 6-22-24

TITLE \_\_\_\_\_

SIGNATURE Debbie M...





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Rector YucelPhone No. 575-744-2266

## GENERATOR

NO. **342543**

Operator No. \_\_\_\_\_  
 Operators Name Chenon Carlbad  
 Address 5301 Lamar Dr  
 City, State, Zip Blackfoot NM 88220  
 Phone No. 575-887-5676

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amco Indent II CTA 1  
 County \_\_\_\_\_  
 API No. 30-015-22925  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. HCUSIT03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS Y-YARDS 70 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name Bryan P. 20  
 Phone No. \_\_\_\_\_  
 Truck No. #01  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





New Mexico

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Boston KnerPhone No. 575-712-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342544

Operator No. \_\_\_\_\_

Operators Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

County \_\_\_\_\_

API No. \_\_\_\_\_

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_  
 Oil Based Cuttings \_\_\_\_\_  
 Water Based Muds \_\_\_\_\_  
 Water Based Cuttings \_\_\_\_\_  
 Produced Formation Solids \_\_\_\_\_  
 Tank Bottoms \_\_\_\_\_  
 E&P Contaminated Soil \_\_\_\_\_  
 Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_  
 Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_  
 Produced Water (Non-Injectable) \_\_\_\_\_  
 Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

OTHER EXEMPT WASTES (type and generation process of the waste)

Belly dump

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name \_\_\_\_\_

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/

Permit No. \_\_\_\_\_

Address \_\_\_\_\_

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No. \_\_\_\_\_

432-448-4239NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name \_\_\_\_\_

Phone No. \_\_\_\_\_

## GENERATOR

NO. 342545

Operator No. 4  
 Operators Name Albuquerque Oilfield NW  
 Address 534 Lomas dr  
 City, State, Zip Carlsbad, NM 88502  
 Phone No. 575-847-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco prod 114731  
 County EL PASO  
 API No. 0015 1038  
 Rig Name & No. 30-015-02975  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS 0 Y-YARDS 0 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name Manuel Rio  
 Phone No. \_\_\_\_\_  
 Truck No. 14  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|           |  |  |
|-----------|--|--|
| 1st Gauge |  |  |
| 2nd Gauge |  |  |
| Received  |  |  |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name \_\_\_\_\_

Phone No. \_\_\_\_\_

## GENERATOR

NO. 342546

Operator No. \_\_\_\_\_

Operators Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

County \_\_\_\_\_

API No. \_\_\_\_\_

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |       |                              |                                             |       |                                                                |
|---------------------------|-------|------------------------------|---------------------------------------------|-------|----------------------------------------------------------------|
| Oil Based Muds            | _____ | NON-INJECTABLE WATERS        | Washout Water (Non-Injectable)              | _____ | OTHER EXEMPT WASTES (type and generation process of the waste) |
| Oil Based Cuttings        | _____ |                              | Completion Fluid/Flow Back (Non-Injectable) | _____ |                                                                |
| Water Based Muds          | _____ |                              | Produced Water (Non-Injectable)             | _____ |                                                                |
| Water Based Cuttings      | _____ |                              | Gathering Line Water/Waste (Non-Injectable) | _____ |                                                                |
| Produced Formation Solids | _____ |                              | INTERNAL USE ONLY                           |       |                                                                |
| Tank Bottoms              | _____ | Truck Washout (exempt waste) |                                             | _____ | _____                                                          |
| E&P Contaminated Soil     | _____ |                              |                                             |       |                                                                |
| Gas Plant Waste           | _____ |                              |                                             |       |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Flint Brumore  
(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name \_\_\_\_\_

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/  
Permit No.

Red Bluff Facility / STF-065

Address

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge  
2nd Gauge

Feet

Inches

BS&W Received  
From Water

BS&amp;W (%)





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name \_\_\_\_\_

Phone No. \_\_\_\_\_

## GENERATOR

NO. 342547

Operator No. \_\_\_\_\_

Operators Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

County \_\_\_\_\_

API No. \_\_\_\_\_

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name \_\_\_\_\_

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/  
Permit No.

Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        |                |          |
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name \_\_\_\_\_

Phone No. \_\_\_\_\_

## GENERATOR

NO. 342548

Operator No. \_\_\_\_\_  
 Operators Name Abraham Carlshod NM  
 Address 5301 - Longview  
 City, State, Zip Carlshod NM 88200  
 Phone No. 575 - 227 - 5774

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amco prod 11 CTB  
 County FCHV  
 API No. 3A-715-22075  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. Acus 1102V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black Diver Trucking  
 Address 25 N. Nicholas Rd  
Wichita Falls, TX  
 Phone No. 575-240-2309

Driver's Name Servando Dominguez  
 Phone No. 525-840-9054  
 Truck No. 149  
 WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

7-23-24 Servando Dominguez7-23-24 Servando Dominguez

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/ Red Bluff Facility / STF-065  
 Permit No. 5053 US Hwy 285, Orla, TX 79770  
 Address

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr)

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Barbara K. LeePhone No. 575-246-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342549**

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Paul KiserPhone No. 875-211-7200

## GENERATOR

NO. 342550

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.

Site Name/  
Permit No.Red Bluff Facility / STF-065

Address

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Robert KiserPhone No. 575-266-2206

## GENERATOR

NO. 342554

Operator No. \_\_\_\_\_

Operators Name Newton Petroleum NMAddress 5301 Jones drCity, State, Zip Childers NM 88220Phone No. 575-897-8026

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Ed 11 CTR 1County TaddeiAPI No. 30-015-02975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 0045103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Robert KiserDATE 7-25-24SIGNATURE Robert Kiser

## TRANSPORTER

Transporter's Name Black River Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Luca Roca

Phone No. \_\_\_\_\_

Truck No. 442

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-25-24

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 8

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX-79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) Robert KiserDATE 7/25TITLE OwnerSIGNATURE Robert Kiserdonc@northstarforms.com  
(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160R





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Aracela ViscPhone No. 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342555**

Operator No. \_\_\_\_\_

Permit/RRC No.  
Lease/WellOperators Name Chavez, Ruben NM

Name &amp; No.

Address 5301 Lamar Dr

County

City, State, Zip Albuquerque NM 88220

API No.

Phone No. 575-887-5020

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Rebecka KiserPhone No. 361-415-2297

## GENERATOR

NO. 342556

Operator No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Arco Ford II CTR 1County TexasAPI No. 301015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. OCUS102VOperators Name Chascon Petroleum LLCAddress 5301 Lemay DrCity, State, Zip Chattahoochee AL 35220Phone No. 256-897-5070

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

Belly dumpWASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE [Signature]DATE 2-23-24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name BRT.

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez

Phone No. \_\_\_\_\_

Truck No. 147WHP No. 6775

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 07/23/24DRIVER'S SIGNATURE Andres Rodriguez

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. [Signature]

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 10/23/24TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Don HesterPhone No. 817-860-1461

## GENERATOR

NO. **342557**

Operator No. \_\_\_\_\_

Operators Name Chevron Carbonate

Address \_\_\_\_\_

City, State, Zip La Grange, TX 78001Phone No. 817-860-1461

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

County \_\_\_\_\_

API No. \_\_\_\_\_

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Bryan Razo

Phone No. \_\_\_\_\_

Truck No. #01

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7/13/24DRIVER'S SIGNATURE Bryan Razo

DELIVERY DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. \_\_\_\_\_

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | Free Water | Total Received | BS&W (%) |
|-----------|------|--------|---------------|------------|----------------|----------|
| 1st Gauge |      |        |               |            |                |          |
| 2nd Gauge |      |        |               |            |                |          |
| Received  |      |        |               |            |                |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name

Phone No.

## GENERATOR

NO. 342558

Operator No. 14600000000000000000  
 Operators Name 14600000000000000000  
 Address 301 1st St  
 City, State, Zip 14600000000000000000  
 Phone No. 14600000000000000000

Permit/RRC No. 14600000000000000000  
 Lease/Well Name & No. 14600000000000000000  
 County 14600000000000000000  
 API No. 14600000000000000000  
 Rig Name & No. 14600000000000000000  
 AFE/PO No. 14600000000000000000

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other 14600000000000000000 \*please select from Non-Exempt Waste List on backQUANTITY 20 B-BARRELS 1 Y-YARDS 1 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
 Address 14600000000000000000  
 Phone No. 14600000000000000000

Driver's Name Byron Bailey  
 Phone No. 14600000000000000000  
 Truck No. 14600000000000000000  
 WHP No. 14600000000000000000

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: 14600000000000000000 OUT: 14600000000000000000

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 14600000000000000000

Site Name/  
Permit No.  
Address

**Red Bluff Facility / STF-065**  
**5053 US Hwy 285, Orla, TX 79770**

Phone No. **432-448-4239**NORM READINGS TAKEN? (Circle One) YES 14600000000000000000 NOIf YES, was reading > 50 micro roentgens? (Circle One) YES 14600000000000000000 NONORM (mR/hr) 14600000000000000000

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED 14600000000000000000DENIED 14600000000000000000If denied, why? 14600000000000000000

NAME (PRINT)

DATE

TITLE

SIGNATURE



## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST



(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Name

Name

Phone No.

## GENERATOR

NO. 342560

Operator No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

Operators Name

Address

City, State, Zip

Phone No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

20 "Bellydump"

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.

Site Name/  
Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



New Mexico

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name

Phone No.

## GENERATOR

NO. 342561

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name &amp; No.

City, State, Zip

County

Phone No.

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Driver's Name

Address

Phone No.

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: OUT:

Name/No.

Site Name/  
Permit No.

Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr)

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

| BS&W Received  | BS&W (%) |
|----------------|----------|
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name URRUT DESEN RIVERPhone No. 979-261-1111

## GENERATOR

NO. **342563**

Operator No. \_\_\_\_\_

Operators Name Chewron Eastbed RefAddress 2301 James StCity, State, Zip Rockledge, NM 88220Phone No. 505-557-5070

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amara Well 1177131County SandozAPI No. 20115 12474Rig Name & No. ULLS 17138

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS \_\_\_\_\_ Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENT'S SIGNATURE \_\_\_\_\_

DATE 7-23-21

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Robert River turning

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Jesus Villalobos

Phone No. \_\_\_\_\_

Truck No. 15

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7-23-21

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 78

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        |                |          |
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED 7/23

DENIED \_\_\_\_\_

If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name \_\_\_\_\_

Phone No. \_\_\_\_\_

## GENERATOR

NO. 342566

Operator No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Operators Name \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

Address \_\_\_\_\_

County \_\_\_\_\_

City, State, Zip \_\_\_\_\_

API No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS \_\_\_\_\_ 20 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name \_\_\_\_\_

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/  
Permit No.

Red Bluff Facility / STF-065

Address

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name \_\_\_\_\_

Phone No. \_\_\_\_\_

## GENERATOR

NO. 342567

Operator No. \_\_\_\_\_  
 Operators Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City, State, Zip \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. \_\_\_\_\_  
 County \_\_\_\_\_  
 API No. \_\_\_\_\_  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS Y-YARDS 20 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name \_\_\_\_\_  
 Phone No. \_\_\_\_\_  
 Truck No. \_\_\_\_\_  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/ Permit No. \_\_\_\_\_  
 Address \_\_\_\_\_

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name John A. RicePhone No. 409-448-4239

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342568

Operator No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Operators Name Chasanth Lakshmi V.M.

Lease/Well

Name & No. James & Fred H. CTR

Address \_\_\_\_\_

County

API No. 6215 22478City, State, Zip Carthage, TX 76921

Rig Name &amp; No. \_\_\_\_\_

Phone No. 325 337 5070AFE/PO No. 70-05130-2

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

70 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHIP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 70

Site Name/

Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name John DoePhone No. 546-226-2416

## GENERATOR

NO. **342569**

Operator No. \_\_\_\_\_  
 Operators Name Cherion Contracting LLC  
 Address 2411 Jones Dr  
 City, State, Zip Euless, TX 76039  
 Phone No. 817-226-2416

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amco 2-21-11-0151  
 County DFW  
 API No. 2715-2975  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 30 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE [Signature]DATE 7/24/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Pico Son's Trucking BNT  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name V. L. L. L. L.  
 Phone No. \_\_\_\_\_  
 Truck No. 15  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/24/24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. [Signature]

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|           |  |
|-----------|--|
| 1st Gauge |  |
| 2nd Gauge |  |
| Received  |  |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W-Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) [Signature]DATE 7/24/24

TITLE \_\_\_\_\_

SIGNATURE [Signature]



## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name

Phone No.

## GENERATOR

NO. 342570

Operator No. \_\_\_\_\_  
Operators Name \_\_\_\_\_  
Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Phone No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_  
Lease/Well \_\_\_\_\_  
Name & No. \_\_\_\_\_  
County \_\_\_\_\_  
API No. \_\_\_\_\_  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name \_\_\_\_\_  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_

Driver's Name \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Truck No. \_\_\_\_\_  
WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/  
Permit No.  
Address

Red Bluff Facility / STF-065  
5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

| BS&W Received  | BS&W (%) |
|----------------|----------|
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Arash KianPhone No. 575-710-2211

## GENERATOR

NO. **342571**

Operator No. \_\_\_\_\_

Operators Name Chevron Petroleum NMAddress 5341 Innes DrCity, State, Zip Barstow NM 87001Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Arash Kian 113781County TADUAPI No. 30-A15-27975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. ACUS 1138

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Kelly dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Rico & Son'sAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Manuel R. O

Phone No. \_\_\_\_\_

Truck No. 14

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Red Bluff Facility / STF-065

Permit No. \_\_\_\_\_

Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Priscilla K. KiserPhone No. 512-211-2211

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342572

Operator No. \_\_\_\_\_

Operators Name Chadron Oilfield NMAddress 5301 Lamps DrCity, State, Zip Chilchad NM 88220Phone No. 575-297-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoro Red II CTRCounty TCHVAPI No. 3A-AIS-22975Rig Name & No. N/AAFE/PO No. 0115 113V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

Transporter's Name BRT

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

## TRANSPORTER

Driver's Name Andres Rodriguez

Phone No. \_\_\_\_\_

Truck No. 147WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 07/23/24DRIVER'S SIGNATURE Andres Rodriguez

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 79Site Name/ Permit No. Red Bluff Facility - STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name: Resha KeraPhone No: 575-266-2216

## GENERATOR

NO. 342576

Operator No. \_\_\_\_\_

Operators Name Chevron Corleford NWAddress 9301 Loring DrCity, State, Zip Corleford NW 89720Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amco well 11 CTB 1County ClarkAPI No. 31-115-22975Rig Name & No. None ITAZV

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No. \_\_\_\_\_

Driver's Name Brayan Razo

Phone No. \_\_\_\_\_

Truck No. #1

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge  
2nd Gauge  
Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)



## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Asim Kari

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Asim KariPhone No. 817-716-7116

## GENERATOR

NO. 342580

Operator No. \_\_\_\_\_

Operators Name Chevron Petroleum Co.Address 5301 Lomas DrCity, State, Zip Irving, TX 76039Phone No. 972-827-6776

Permit/RRC No. \_\_\_\_\_

Lease/Well Name & No. Amco Prod 11 CTRCounty TarrantAPI No. 30-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. DCUG 1123Y

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

2 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENT'S SIGNATURE F. M. KariDATE 7/24/24

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Black Bear Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Proyer Raza

Phone No. \_\_\_\_\_

Truck No. #01

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/24/24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. SVSite Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) F. M. KariDATE 7/24/24

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Archie KiserPhone No. 575-716-7716

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342581**

Operator No. \_\_\_\_\_

Operators Name Chevron Coldford LLCAddress 5301 Louisa DrCity, State, Zip Coldford TX 79776Phone No. 817-297-5171

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco rd 11 CTX 1County FCHVAPI No. 30-115-7795Rig Name & No. 117AAFE/PO No. 005-1703V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Lin KiserDATE 7/21/74SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black & White TransportAddress 2000 N. Highway 100Phone No. 817-297-5171Driver's Name Joe L. Brown

Phone No. \_\_\_\_\_

Truck No. 1-9

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 78

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?





# TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Darshan KariaPhone No. 575-311-7261

## GENERATOR

NO. 342582

Operator No. \_\_\_\_\_

Operators Name Chevron Parkhead NMAddress 5201 James StCity, State, Zip Parkhead NM 88220Phone No. 575-287-5771

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Prod 11 CR 1County EddyAPI No. 31-015-77975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. ACUS17031

## EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 8 BARRELS 21 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE F. L. K...DATE 7/24/21SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River Towing

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Boyle Barney

Phone No. \_\_\_\_\_

Truck No. 145

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/24/21TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name \_\_\_\_\_

Phone No. \_\_\_\_\_

## GENERATOR

NO. 342583

Operator No. \_\_\_\_\_  
 Operators Name Microton Colshod NM  
 Address 5301 LONGS DR  
 City, State, Zip Colshod NM 88220  
 Phone No. 505-887-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco prod 11075 1  
 County LeFlore  
 API No. 41-015-27975  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. 005 1703V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name BRT  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez  
 Phone No. \_\_\_\_\_  
 Truck No. 147  
 WHP No. 6295

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Archie KelsonPhone No. 575-276-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342584

Operator No. \_\_\_\_\_  
 Operators Name Chevron Carlshed NM  
 Address 5301 Lamar St  
 City, State, Zip Carlshed NM 88220  
 Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Alvarado Pool 11 cfb  
 County Fckv  
 API No. 30 015-27975  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. OCUS IT03

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>15 cfb drums</u>                                            |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS 20 YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
 Address 25 N. Nicholas Rd  
Waco, TX 76798  
 Phone No. 575-2745-2308

Driver's Name Servando Dominguez  
 Phone No. 575-840-9052  
 Truck No. 149  
 WHP No. 6235

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

7-24-24 Servando Dominguez 7-24-24 Servando Dominguez  
 SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |
|----------------|--|----------|
| BS&W Received  |  | BS&W (%) |
| Free Water     |  |          |
| Total Received |  |          |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name: Pasha K. KiserPhone No: 75-226-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342585

Operator No. \_\_\_\_\_

Operators Name Abevon Carlsbad NMAddress 5301 Longs DrCity, State, Zip Carlsbad NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco prod II CTB 1County El PasoAPI No. 70-015-22975Rig Name & No. Amoco ITABV

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE J. J. KauerDATE 7/24/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rich & Sons TruckingAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Bryan K. Kiser

Phone No. \_\_\_\_\_

Truck No. #1

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE Bryan K. KiserDELIVERY DATE 7/24/24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 60

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED 7/24

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/24

TITLE \_\_\_\_\_

SIGNATURE [Signature]



## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Page 152 of 1452

Company Name Contact Information

Name ResonancePhone No. 575-726-7266**R360**  
ENVIRONMENTAL  
SOLUTIONS

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

**GENERATOR**NO. **342586**

Operator No. \_\_\_\_\_

Operators Name Chivion Parkshod NMAddress 5301 Lomas drCity, State, Zip Parkshod NM 89770Phone No. 575-897-5676

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Ammon road 11 CTB 1County LeaAPI No. 31-115-77475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. ONE ITAZV**EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)**

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

**NON-INJECTABLE WATERS**

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

**INTERNAL USE ONLY**

Truck Washout (exempt waste) \_\_\_\_\_

**OTHER EXEMPT WASTES (type and generation process of the waste)**

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES**NON-EXEMPT E&P Waste/Service Identification and Amount**

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Flin KewerDATE 7/1/24SIGNATURE [Signature]**TRANSPORTER**

Transporter's

Name Bentson Trucking BPT

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name John Villalobos

Phone No. \_\_\_\_\_

Truck No. 15

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/21/24

DRIVER'S SIGNATURE \_\_\_\_\_

**TRUCK TIME STAMP****DISPOSAL FACILITY****RECEIVING AREA**

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

**TANK BOTTOMS**

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) MelissaDATE 7/24TITLE [Signature]SIGNATURE [Signature]done@northstarforms.com  
(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160R

done@northstarforms.com  
(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160H

Released to Imaging: 8/14/2026 5:00:02 PM

18711 199-0192

308.R360-5160H





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Michael K. KiserPhone No. 575-226-7266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342587**

Operator No. \_\_\_\_\_

Operators Name Chavon Carlshod NNAddress 5301 Lanes drCity, State, Zip Liberal NN 89776Phone No. 575 887 5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco prod 11 CRCounty TexasAPI No. 31-115-7275

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. CRS 17034

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Southern Express LLCAddress P.O. Box 1

Phone No. \_\_\_\_\_

Driver's Name Lucas Rios

Phone No. \_\_\_\_\_

Truck No. #3

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

donc@nc  
(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308 R360-5160R





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Company Man Contact Information

Name Preston KeiserPhone No. 351-776-2211

## GENERATOR

NO. 342588

Operator No. \_\_\_\_\_

Operators Name Chivon Carlshad NWAddress 5301 Long StCity, State, Zip Carlsbad NM 88220Phone No. 575-887-5470

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amco Prod 11 CTRCounty El Paso

API No. \_\_\_\_\_

Rig Name & No. 30-AIS-77975AFE/PO No. 0015 1103V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

208 YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Preston KeiserDATE 7-24-24

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Black River TruckingAddress 25 N. Alvarado RdMalaga NMPhone No. 575-745-2309Driver's Name Servando DominguezPhone No. 575-840-9088Truck No. 149WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-24-24DRIVER'S SIGNATURE Servando DominguezDELIVERY DATE 7-24-24DRIVER'S SIGNATURE Servando Dominguez

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 18Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





# TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Company Man Contact Information

Name Dustin K. K...Phone No. 575 226-224

## GENERATOR

NO. **342589**

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

### NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

### INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

### TRUCK TIME STAMP

IN:

OUT:

### DISPOSAL FACILITY

### RECEIVING AREA

Name/No.

Site Name/ Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

SIGNATURE





TEXAS NON-HAZARDOUS

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company Man Contact Information

Name Brian K. KingPhone No. 575-221-2210

## GENERATOR

NO. 342591

Operator No. \_\_\_\_\_

Operators Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

County \_\_\_\_\_

API No. \_\_\_\_\_

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name \_\_\_\_\_

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. \_\_\_\_\_

Site Name/

Permit No. \_\_\_\_\_

Address \_\_\_\_\_

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No. \_\_\_\_\_

432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (Circle One) YES NO  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arash Kereki

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arash KerekiPhone No. 575-766-7711

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342593**

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name &amp; No.

City, State, Zip

County

Phone No.

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/  
Permit No.Red Bluff Facility / STF-065

Address

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge  
2nd Gauge  
Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)



Company Man Contact Information



## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Richard K. KeriPhone No. 575-244-2244

## GENERATOR

NO. 342594

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY 21 B-BARRELS 21 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: OUT:

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES ☒ NO ☐

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES ☐ NO ☐

NORM (mR/hr)

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED ☒DENIED ☐

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Andres RodriguezPhone No. 515-706-7266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342595**

Operator No. \_\_\_\_\_

Operators Name Chenon OilfieldAddress 5301 Louisa StCity, State, Zip Midland, TX 79701Phone No. 515-227-5770

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Ames road well 1County TCHAPI No. 30-015-72975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 0015 IT 03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_  
 Oil Based Cuttings \_\_\_\_\_  
 Water Based Muds \_\_\_\_\_  
 Water Based Cuttings \_\_\_\_\_  
 Produced Formation Solids \_\_\_\_\_  
 Tank Bottoms \_\_\_\_\_  
 E&P Contaminated Soil \_\_\_\_\_  
 Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_  
 Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_  
 Produced Water (Non-Injectable) \_\_\_\_\_  
 Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name BRT

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez

Phone No. \_\_\_\_\_

Truck No. 147WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 07/24/24

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

donec@northstarforms.com  
 (877) 499-0492

White - ORIGINAL

Blue- TRANSPORTER

Yellow - GENERATOR

308 R360-5160R







## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Debra KaiserPhone No. 254-766-7266

## GENERATOR

NO. **342601**

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

**Red Bluff Facility / STF-065****5053 US Hwy 285, Orla, TX 79770**

Phone No.

**432-448-4239**

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name: James LouchPhone No. (352) 445-9207

## GENERATOR

NO. HW-692774

Generator Manifest # \_\_\_\_\_

Generator Name Chevron CarlsbadAddress 5301 La Mas Dr.City, State, Zip Carlsbad, NM 88220Phone No. 575-887-5676Location of Origin  
Lease/Well Amoco Federal 11 C1B1

Name &amp; No. \_\_\_\_\_

County \_\_\_\_\_

API No. 30-015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. UCUS 1303X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT E&P WASTE STREAMS |
|---------------------------|---------------------------------------------|--------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                |
| Waste Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                |
| Tank Bottoms              |                                             |                                |
| E&P Contaminated Soil     |                                             |                                |
| Gas Plant Waste           |                                             |                                |
|                           | INTERNAL USE ONLY                           | TOP SOIL & CALICHE SALES       |
|                           | Truck Washout (exempt waste) YES NO         | QUANTITY TOP SOIL CALICHE      |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINESNON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

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Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name BRTAddress 25 N. Nicholas Rd. MalagaPhone No. 505-882-263

Transporter Ticket # \_\_\_\_\_

Driver's Name Andres Rodriguez

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 147

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/ Permit No. Halfway Facility / NM1-006Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-392-6368NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NOPASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

Feet Inches

|           |  |
|-----------|--|
| 1st Gauge |  |
| 2nd Gauge |  |
| Received  |  |

|                    |  |          |
|--------------------|--|----------|
| BS&W/BBLs Received |  | BS&W (%) |
| Free Water         |  |          |
| Total Received     |  |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

C-138

dnc@northstarforms.com (877)492-0492

White - R360 ORIGINAL

Yellow - TRANSPORTER COPY

Pink - GENERATOR SITE COPY

Gold - RETURN TO GENERATOR

308.R360-5240LE rev 08/23





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name \_\_\_\_\_

Phone No. \_\_\_\_\_

## GENERATOR

NO. HW-692285

Generator Manifest # \_\_\_\_\_

Location of Origin  
Lease/Well \_\_\_\_\_

Generator Name \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

Address \_\_\_\_\_

County \_\_\_\_\_

City, State, Zip \_\_\_\_\_

API No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds<br>Oil Based Cuttings<br>Waste Based Muds<br>Water Based Cuttings<br>Produced Formation Solids<br>Tank Bottoms<br>E&P Contaminated Soil<br>Gas Plant Waste | NON-INJECTABLE WATERS                       |        | OTHER EXEMPT E&P WASTE STREAMS |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------|--------------------------------|------------------|
|                                                                                                                                                                           | Washout Water (Non-Injectable)              | _____  | BULK                           |                  |
| _____                                                                                                                                                                     | Completion Fluid/Flow Back (Non-Injectable) | _____  |                                |                  |
| _____                                                                                                                                                                     | Produced Water (Non-Injectable)             | _____  |                                |                  |
| _____                                                                                                                                                                     | Gathering Line Water/Waste (Non-Injectable) | _____  |                                |                  |
| _____                                                                                                                                                                     | INTERNAL USE ONLY                           |        | TOP SOIL & CALICHE SALES       |                  |
| _____                                                                                                                                                                     | Truck Washout (exempt waste)                | YES NO | QUANTITY                       | TOP SOIL CALICHE |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name \_\_\_\_\_

Driver's Name \_\_\_\_\_

Address \_\_\_\_\_

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Truck No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/  
Permit No.

Halfway Facility / NM1-006

Phone No.

575-392-6368

Address

6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO  
PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

|           | Feet  | Inches |
|-----------|-------|--------|
| 1st Gauge | _____ | _____  |
| 2nd Gauge | _____ | _____  |
| Received  | _____ | _____  |

|                    |       |          |       |
|--------------------|-------|----------|-------|
| BS&W/BBLs Received | _____ | BS&W (%) | _____ |
| Free Water         | _____ |          |       |
| Total Received     | _____ |          |       |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name James H. ...Phone No. ...

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. HW-692772

Generator Manifest # \_\_\_\_\_

Generator Name Chlorine ...Address ...City, State, Zip ...Phone No. ...

Location of Origin

Lease/Well

Name & No. ...County ...API No. ...Rig Name & No. ...AFE/PO No. ...

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT E&P WASTE STREAMS   |
|---------------------------|---------------------------------------------|----------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              | <u>Belly Pump</u>                |
| Waste Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                  |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                  |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                  |
| Tank Bottoms              | INTERNAL USE ONLY                           | TOP SOIL & CALICHE SALES         |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | YES NO QUANTITY TOP SOIL CALICHE |
| Gas Plant Waste           |                                             |                                  |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS 76 E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information ☒ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name ...Address ...Phone No. ...

Transporter Ticket # \_\_\_\_\_

Driver's Name

Print Name ...Phone No. ...Truck No. ...

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. ...Site Name/  
Permit No.Halfway Facility / NM1-006

Phone No.

575-392-6368Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

| BS&W/BBL'S Received | BS&W (%) |
|---------------------|----------|
| Free Water          |          |
| Total Received      |          |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

C-138

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR

308.R360-5240LE rev 08/23

done@northstarforms.com (877)499-0492

Released to Imaging: 8/14/2026 5:00:02 PM





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name \_\_\_\_\_

Phone No. \_\_\_\_\_

## GENERATOR

NO. HW-692773

Generator Manifest # \_\_\_\_\_

Generator Name Chlorine CarlsbadAddress 2701 1st Street NECity, State, Zip Carlsbad NM 88220

Phone No. \_\_\_\_\_

Location of Origin

Lease/Well

Name & No. Miner Federal 11-112County El PasoAPI No. 30-018-77973

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT E&P WASTE STREAMS   |
|---------------------------|---------------------------------------------|----------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                  |
| Waste Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                  |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                  |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                  |
| Tank Bottoms              |                                             |                                  |
| E&P Contaminated Soil     |                                             |                                  |
| Gas Plant Waste           |                                             |                                  |
|                           | INTERNAL USE ONLY                           | TOP SOIL & CALICHE SALES         |
|                           | Truck Washout (exempt waste)                | YES NO QUANTITY TOP SOIL CALICHE |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

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☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name BBTAddress 2701 1st Street NEPhone No. 505-263-7777

Transporter Ticket # \_\_\_\_\_

Driver's Name Andrew Rodriguez

Print Name

Phone No. 147

Truck No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 60Site Name/  
Permit No.Halfway Facility / NM1-006

Address

6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No.

575-392-6368NORM READINGS TAKEN? (Circle One) YES NO  
PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                    |  |          |  |
|--------------------|--|----------|--|
| BS&W/BBLs Received |  | BS&W (%) |  |
| Free Water         |  |          |  |
| Total Received     |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

C-138

donc@northstarforms.com (877)499-0492

White - R360 ORIGINAL

Yellow- TRANSPORTER COPY

Pink- GENERATOR SITE COPY

Gold- RETURN TO GENERATOR

308.R360-5240LE rev 08/23





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name James KizerPhone No. 324-441-1111

## GENERATOR

NO. HW-692890

Generator Manifest # \_\_\_\_\_

Generator Name Chevron CarlsbadAddress 5301 LawrenceCity, State, Zip Carlsbad, NM 88220Phone No. 324-567-5676Location of Origin 45001 HICKSLease/Well 30-015-22775

Name &amp; No. \_\_\_\_\_

County \_\_\_\_\_

API No. \_\_\_\_\_

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 7-05172 X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT E&P WASTE STREAMS |
|---------------------------|---------------------------------------------|--------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                |
| Waste Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                |
| Tank Bottoms              |                                             |                                |
| E&P Contaminated Soil     | INTERNAL USE ONLY                           | TOP SOIL & CALICHE SALES       |
| Gas Plant Waste           | Truck Washout (exempt waste)                | QUANTITY TOP SOIL CALICHE      |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS 70 E - EACH

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☐ RCRA NON-EXEMPT.

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☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Jack Lee Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name James Kizer

Print Name \_\_\_\_\_

Phone No. 720-24

Truck No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Permit No.

Address

Halfway Facility / NM1-0066501 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-392-6368NORM READINGS TAKEN? (Circle One) YES NO  
PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

| BS&W/BBLS Received | BS&W (%) |
|--------------------|----------|
| Free Water         |          |
| Total Received     |          |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name John J. SmithPhone No. 505-445-1111

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. HW-692891

Generator Manifest # \_\_\_\_\_

Location of Origin

Generator Name Chloron Carlsbad

Lease/Well

Address 201 1st St NEName & No. 30-015-22175City, State, Zip Carlsbad, NM 88220

County

Phone No. 505-445-1111

API No.

Rig Name & No. 20051705X

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT E&P WASTE STREAMS   |
|---------------------------|---------------------------------------------|----------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                  |
| Waste Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                  |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                  |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                  |
| Tank Bottoms              | INTERNAL USE ONLY                           | TOP SOIL & CALICHE SALES         |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | YES NO QUANTITY TOP SOIL CALICHE |
| Gas Plant Waste           |                                             |                                  |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black Horse TruckingDriver's Name Raymond Dero

Address \_\_\_\_\_

Print Name

Phone No. \_\_\_\_\_

Phone No.

Transporter Ticket # \_\_\_\_\_

Truck No. 01

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 08Site Name/ Halfway Facility / NM1-006Phone No. 575-392-6368

Permit No. \_\_\_\_\_

Address 5601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

|           | Feet | Inches | BS&W/BBLs Received | BS&W (%) |
|-----------|------|--------|--------------------|----------|
| 1st Gauge |      |        | Free Water         |          |
| 2nd Gauge |      |        | Total Received     |          |
| Received  |      |        |                    |          |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Patrick K. ...

Phone No. \_\_\_\_\_

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. HW-692893

Generator Manifest # \_\_\_\_\_

Generator Name Champion Carbon

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Location of Origin

Lease/Well

Name & No. Alto 11 11 11 11

County

API No. 30-015-7797

Rig Name &amp; No.

AFE/PO No. 604513638

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT E&P WASTE STREAMS   |
|---------------------------|---------------------------------------------|----------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              | <u>5.00 cu yd</u>                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                  |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                  |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                  |
| Tank Bottoms              | INTERNAL USE ONLY                           | TOP SOIL & CALICHE SALES         |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | YES NO QUANTITY TOP SOIL CALICHE |
| Gas Plant Waste           |                                             |                                  |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Bob & Renee Truck

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name John ...

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. #2

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Site Name/

Permit No.

Address

Halfway Facility / NM1-0066601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No.

575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                    |  |          |  |
|--------------------|--|----------|--|
| BS&W/BBLs Received |  | BS&W (%) |  |
| Free Water         |  |          |  |
| Total Received     |  |          |  |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

C-138

donc@northstarforms.com (877)499-0492

White - R360 ORIGINAL

Yellow - TRANSPORTER COPY

Pink - GENERATOR SITE COPY

Gold - RETURN TO GENERATOR

308 R360-5240LE rev 08/23





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Preston KiserPhone No. 575 766 2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. HW-692895

Generator Manifest # \_\_\_\_\_

Generator Name Chevron CarlsbadAddress 5301 Lewis DrCity, State, Zip Carlsbad NM 88220Phone No. 575-887-5676

Location of Origin

Lease/Well  
Name & No. AMOCO Fed II CTB

County \_\_\_\_\_

API No. 30-015-72975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. UCUS1 J03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                                               | OTHER EXEMPT E&P WASTE STREAMS |
|---------------------------|---------------------------------------------------------------------|--------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)                                      | <u>Belly Dump</u>              |
| Waste Based Muds          | Completion Fluid/Flow Back (Non-Injectable)                         |                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)                                     |                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable)                         |                                |
| Tank Bottoms              | INTERNAL USE ONLY                                                   | TOP SOIL & CALICHE SALES       |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                                        | QUANTITY TOP SOIL CALICHE      |
| Gas Plant Waste           | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

Y - YARDS 70

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination) and a description of the waste must accompany this form

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's  
Name Black River Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Luis Rico

Print Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. #3

I hereby certify that the above named material(s), was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 7-22-24

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No. Halfway Facility / NM1-006Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-392-6368NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐  
PASS THE PAINT FILTER TEST? (Circle One) YES ☐ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                    |  |          |
|--------------------|--|----------|
| BS&W/BBLS Received |  | BS&W (%) |
| Free Water         |  |          |
| Total Received     |  |          |

I hereby certify that the above load material has been (circle one)

ACCEPTED 7/22/24DENIED 7/22/24

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE

C-138

done@northstarforms.com (877)499-0492

White - R360 ORIGINAL

Yellow - TRANSPORTER COPY

Pink - GENERATOR SITE COPY

Gold - RETURN TO GENERATOR

308.R360-5240LE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name James A. ...Phone No. ...

## GENERATOR

NO. HW-692931Generator Manifest # ...Generator Name Arvin Coal bedAddress 5301 ...City, State, Zip Carlsbad NM 88220Phone No. 505 934 376

Location of Origin

Lease/Well

Name & No. AMOCO ...County ...API No. ...Rig Name & No. ...AFE/PO No. ...

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Waste Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

YES

NO

## OTHER EXEMPT E&amp;P WASTE STREAMS

Belly Acid

## TOP SOIL &amp; CALICHE SALES

QUANTITY

TOP SOIL

CALICHE

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☒

PRODUCTION

☐

GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River TruckingAddress ...Phone No. ...Transporter Ticket # ...Driver's Name James VillalobosPrint Name ...Phone No. ...Truck No. ...

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7/22/24DRIVER'S SIGNATURE ...DELIVERY DATE 7/22/24DRIVER'S SIGNATURE ...

## TRUCK TIME STAMP

IN: ...OUT: ...

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. ...

Site Name/

Permit No. ...Address Halfway Facility / NM1-0066601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220Phone No. 675-392-6368

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W/BBLs Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Preston Kizer  
Company Man Contact Information  
Name James Lovely  
Phone No. 351-445-9207

## GENERATOR

NO. HW-692971

Generator Manifest # \_\_\_\_\_  
Generator Name Chevron USA Carlsbad  
Address E 301 Janus Rd  
City, State, Zip Carlsbad NM 88220  
Phone No. 575-482-5676

Location of Origin  
Lease/Well Name & No. Ameca Fed 11c+1B  
County \_\_\_\_\_  
API No. 30-015-22975  
Rig Name & No. \_\_\_\_\_  
AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT E&P WASTE STREAMS |
|---------------------------|---------------------------------------------|--------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                |
| Waste Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             | <u>Belly</u>                   |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                |
| Tank Bottoms              | INTERNAL USE ONLY                           | TOP SOIL & CALICHE SALES       |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | QUANTITY TOP SOIL CALICHE      |
| Gas Plant Waste           | YES NO                                      |                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 AC YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

James Lovely 7-22-24  
(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking Driver's Name Edward P. Dominguez  
Address 25 N Nicholas Rd Print Name \_\_\_\_\_  
Phone No. 575-849-9053 Phone No. \_\_\_\_\_  
Transporter Ticket # 237369 Truck No. 149

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

7-22-24 Edward P. Dominguez 7-22-24  
SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 218

Site Name/Permit No. Halfway Facility / NM1-006  
Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES NO  
PASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

| Feet      | Inches | BS&W/BBLs Received | BS&W (%) |
|-----------|--------|--------------------|----------|
| 1st Gauge |        | Free Water         |          |
| 2nd Gauge |        | Total Received     |          |
| Received  |        |                    |          |

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why?  
7/22/24 Non  
NAME (PRINT) DATE TITLE SIGNATURE

C-138

dnc@northstarforms.com (877)499-1497

White - R360 ORIGINAL

Yellow - TRANSPORTER COPY

Pink - GENERATOR SITE COPY

Gold - RETURN TO GENERATOR

308.R360-5240LE rev 08/23





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Preston Kizer

Phone No. \_\_\_\_\_

## GENERATOR

NO. HW692975Generator Manifest # Chevron CarlsbadGenerator Name 5301 Lomas Dr.Address Carlsbad N.M. 88226City, State, Zip 575 887 5676

Phone No. \_\_\_\_\_

Location of Origin

Lease/Well

Name & No. Amoco Fed 11 C/B 1County 30-015-22975

API No. \_\_\_\_\_

Rig Name & No. OCU51503X

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |                                             |                                |                          |          |          |         |
|---------------------------|---------------------------------------------|--------------------------------|--------------------------|----------|----------|---------|
| Oil Based Muds            | NON INJECTABLE WATERS                       | OTHER EXEMPT E&P WASTE STREAMS |                          |          |          |         |
| Oil Based Cuttings        | Washout Water (Non-Injectable)              | <u>Belly Dump</u>              |                          |          |          |         |
| Waste Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                |                          |          |          |         |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                |                          |          |          |         |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                |                          |          |          |         |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                | TOP SOIL & CALICHE SALES |          |          |         |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | YES                            | NO                       | QUANTITY | TOP SOIL | CALICHE |
| Gas Plant Waste           |                                             |                                |                          |          |          |         |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY: B - BARRELS L - LIQUID Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Manuel Rico

Print Name \_\_\_\_\_

Phone No. 14

Truck No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 78

Site Name/

Permit No. Halfway Facility / NM1-006Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-392-6368NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐  
PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

## TANK BOTTOMS

|           |      |        |                    |          |
|-----------|------|--------|--------------------|----------|
| 1st Gauge | Feet | Inches | BS&W/BBLS Received | BS&W (%) |
| 2nd Gauge |      |        | Free Water         |          |
| Received  |      |        | Total Received     |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED 7/22DENIED AdmIf denied, why? Signature

NAME (PRINT)

DATE

TITLE

SIGNATURE

C-138

donc@northstarforms.com (877)499-0492

White - R360 ORIGINAL

Yellow - TRANSPORTER COPY

Pink - GENERATOR SITE COPY

Gold - RETURN TO GENERATOR

308.R360-5240LE rev 08/23



## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name                     Phone No.                     

## GENERATOR

NO. HW-692976Generator Manifest # CH 2020N CH 15060

Location of Origin

Generator Name 5301 Co. Inc. Dr.

Lease/Well

Address CH 2020N CH 15060Name & No. Amoco Field 11 ch 1City, State, Zip 5301 Co. Inc. Dr.County 10-015-0075Phone No. 505-817-6410API No. 10-015-0075Rig Name & No. Amoco 517-015 XAFE/PO No.                     

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT E&P WASTE STREAMS   |
|---------------------------|---------------------------------------------|----------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                  |
| Waste Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                  |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                  |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                  |
| Tank Bottoms              |                                             |                                  |
| E&P Contaminated Soil     | INTERNAL USE ONLY                           | TOP SOIL & CALICHE SALES         |
| Gas Plant Waste           | Truck Washout (exempt waste)                | YES NO QUANTITY TOP SOIL CALICHE |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other                      \*please select from Non-Exempt Waste List on backDISPOSAL QUANTITY B - BARRELS L - LIQUID Y - YARDS 700 E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Mike Ruff TruckingDriver's Name                     Address                     Print Name                     Phone No.                     Phone No.                     Transporter Ticket #                     Truck No. 14

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN:                      OUT:                     Name/No.                     

Site Name/

Halfway Facility / NM1-006

Phone No.

575-392-6368

Permit No.

Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                    |  |          |  |
|--------------------|--|----------|--|
| BS&W/BBLS Received |  | BS&W (%) |  |
| Free Water         |  |          |  |
| Total Received     |  |          |  |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





# NEW MEXICO TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Hoshy KheraPhone No. 75-266-2216

Operator No.

Operators Name  
AddressCity, State, Zip  
Phone No.

## GENERATOR

NO. **342419**Permit/RRC No.  
Lease/Well  
Name & No.  
County  
API No.  
Rig Name & No.  
AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds  
Oil Based Cuttings  
Water Based Muds  
Water Based Cuttings  
Produced Formation Solids  
Tank Bottoms  
E&P Contaminated Soil  
Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)  
Completion Fluid/Flow Back (Non-Injectable)  
Produced Water (Non-Injectable)  
Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's  
Name  
Address

Phone No.

Driver's Name  
Phone No.  
Truck No.  
WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.

Site Name/  
Permit No.  
Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge  
2nd Gauge  
Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arshad K. BaniPhone No. 575-246-7766

(PLEASE PRINT) \*REQUIRED INFORMATION\*

## GENERATOR

NO. 342420

Operator No. \_\_\_\_\_

Operators Name Chevron Carkshord NMAddress 301 Loma DrCity, State, Zip Midland TX 79701Phone No. 575-887-5610

Permit/RRC No. \_\_\_\_\_

Lease/Well Amoco red 11 elb 1

Name &amp; No. \_\_\_\_\_

County MidlandAPI No. 30-015-27475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. Oris 1103V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |       |                                             |       |                                                                |       |
|---------------------------|-------|---------------------------------------------|-------|----------------------------------------------------------------|-------|
| Oil Based Muds            | _____ | NON-INJECTABLE WATERS                       | _____ | OTHER EXEMPT WASTES (type and generation process of the waste) | _____ |
| Oil Based Cuttings        | _____ | Washout Water (Non-Injectable)              | _____ |                                                                |       |
| Water Based Muds          | _____ | Completion Fluid/Flow Back (Non-Injectable) | _____ |                                                                |       |
| Water Based Cuttings      | _____ | Produced Water (Non-Injectable)             | _____ |                                                                |       |
| Produced Formation Solids | _____ | Gathering Line Water/Waste (Non-Injectable) | _____ |                                                                |       |
| Tank Bottoms              | _____ | INTERNAL USE ONLY                           | _____ |                                                                |       |
| E&P Contaminated Soil     | _____ | Truck Washout (exempt waste)                | _____ |                                                                |       |
| Gas Plant Waste           | _____ |                                             |       |                                                                |       |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

X Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE F. In RomeroDATE 7/25/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River TruckingAddress 25 Alachua RdPhone No. 575-745-2309Driver's Name Servando DominguezPhone No. 575-840-9052Truck No. 140WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-25-24DRIVER'S SIGNATURE Servando DominguezDELIVERY DATE 7-25-24DRIVER'S SIGNATURE Servando Dominguez

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 75Site Name/ Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet  | Inches | BS&W Received  | BS&W (%) |
|-----------|-------|--------|----------------|----------|
| 1st Gauge | _____ | _____  | _____          | _____    |
| 2nd Gauge | _____ | _____  | Free Water     | _____    |
| Received  | _____ | _____  | Total Received | _____    |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) [Signature]DATE 7/25/24TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Robert KelsonPhone No. 975-216-274

## GENERATOR

NO. 342422

Operator No. \_\_\_\_\_

Operators Name Chyron Petroleum NWAddress 5601 Jones RdCity, State, Zip Wichita Falls TX 76790Phone No. 975-216-5600

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Prod 11016County TarrantAPI No. 42-05-2175Rig Name & No. 11016AFE/PO No. 11016

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elmer KelsonDATE 7/25/24SIGNATURE Elmer Kelson

## TRANSPORTER

Transporter's Name B.R.T.Address Bluma River Trucking

Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez

Phone No. \_\_\_\_\_

Truck No. 147WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 6/25/24DRIVER'S SIGNATURE Andres Rodriguez

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 78

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        |                |          |
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED 11/5

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Joe L. LugoPhone No. 779-711-2200

## GENERATOR

NO. 342416

Operator No. \_\_\_\_\_

Operators Name Chevron PetroleumAddress 5301 Industrial DrCity, State, Zip Orlando, FL 32811Phone No. 975-487-967

Permit/RRC No. \_\_\_\_\_

Lease/Well Name & No. Amoco Prod 11-011County FLAPI No. 30 015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 11008

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Pro Services Inc

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Joe Lugo

Phone No. \_\_\_\_\_

Truck No. 15

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arstan K...Phone No. 575 716 2746

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342415**

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: OUT:

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





New Mexico

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Dustin KiserPhone No. 791-726-8266

## GENERATOR

NO. 342406

Operator No. \_\_\_\_\_

Operators Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

County \_\_\_\_\_

API No. \_\_\_\_\_

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

Transporter's Name

Address

Phone No.

## TRANSPORTER

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





NEW MEXICO

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name: Robert KoberPhone No. 575-266-2266

## GENERATOR

NO. 342421

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Aracelis K. RocaPhone No. 979-270-2711

## GENERATOR

NO. 342430

Operator No. \_\_\_\_\_

Operators Name Chevron Oilfield NMAddress 5301 - Jones DrCity, State, Zip Orishod NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Anger pool 11 oil wellCounty El PasoAPI No. 30-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. DEUS ITZY

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 70 B-BARRELS 70 Y-YARDS 70 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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## TRANSPORTER

Transporter's Name BRT

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Andres RodriguezPhone No. 147Truck No. 6275

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 07/25/24DRIVER'S SIGNATURE Andres RodriguezDELIVERY DATE 07/25/24DRIVER'S SIGNATURE Andres Rodriguez

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 78Site Name/Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        | Free Water     |          |
| 2nd Gauge |      |        | Total Received |          |
| Received  |      |        |                |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED ☒DENIED ☐

If denied, why? \_\_\_\_\_

NAME (PRINT) Aracelis K. RocaDATE 7/25/24TITLE ManagerSIGNATURE Aracelis K. Rocadonc@northstarforms.com  
(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160R





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Darshan KishanPhone No. 575-261-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342434**

Operator No. \_\_\_\_\_

Operators Name AbhayanAddress 5301 - Lomas drCity, State, Zip Carlsbad NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amco Feb 11 clb 1County ddyAPI No. 30-015-2475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. OCUS 1703V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

701 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Tim KinnereDATE 7/25/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River TruckingAddress 200 W. Main StPhone No. 505-261-2103Driver's Name Joel Gomez

Phone No. \_\_\_\_\_

Truck No. 9

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7-25-24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING-AREA

Name/No. 25Site Name/ Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        |                |          |
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED [Signature]DENIED [Signature]

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Boston KesaPhone No. 575-260-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342435

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301-Lomas drCity, State, Zip Carlsbad NM 88280Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco 20111616County El PasoAPI No. 30-05-72975Rig Name & No. CRUS IT03Y

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Drilling - \_\_\_\_\_  
 Completion - \_\_\_\_\_  
 Production - \_\_\_\_\_  
 Gathering - \_\_\_\_\_  
 Other - ISLL DUNE

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

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☒ RCRA EXEMPT:

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☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.

Site Name/ Permit No.

Red Bluff Facility / STF-065

Address

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Ashton K. KeriPhone No. 575-226-7266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342437

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Loring DrCity, State, Zip Chisholm NM 88220Phone No. 575-887-5377

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco prod 11016-7County El PasoAPI No. 78-015-22975Rig Name & No. 1005 W03V

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Tim KernerDATE 7/25/24

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Red Bluff Facility - RRT

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name John Villalobos

Phone No. \_\_\_\_\_

Truck No. 15

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/25/24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 10

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        |                |          |
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED ☒DENIED ☐

If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Pamela K. KiserPhone No. 575-276-2260

(PLEASE PRINT) \*REQUIRED INFORMATION\*

## GENERATOR

NO. 342438

Operator No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

County \_\_\_\_\_

API No. \_\_\_\_\_

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

Operators Name AmmonAddress 5301 LongviewCity, State, Zip Chillicothe, NM 88420Phone No. 575-287-5670

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elm KiserDATE 7/25/24

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Red Bluff Soil's TruckingAddress PRT

Phone No. \_\_\_\_\_

Driver's Name Bryan Kiser

Phone No. \_\_\_\_\_

Truck No. #01

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/25/24DRIVER'S SIGNATURE Bryan Kiser

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 4015

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name 215-610-1260Phone No. 215-610-1260

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342559**

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

**Red Bluff Facility / STF-065-****5053 US Hwy 285, Orla, TX 79770**

Phone No.

**432-448-4239**

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Dreslon KiserPhone No. 575-276-2711

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342402

Operator No. \_\_\_\_\_

Operators Name Chavon PhilbinAddress 5701 Lomas DrCity, State, Zip Carlsbad NM 88501Phone No. 575-276-2711

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Arroyo 11 01bCounty LeaAPI No. 321115-27075

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. Ums 1103V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black Army TruckingAddress 2500 N. Highway 180Phone No. 505-276-2711Driver's Name Tool Kerner

Phone No. \_\_\_\_\_

Truck No. 69WHP No. 22

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

| BS&W Received  | BS&W (%) |
|----------------|----------|
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Piston K...Phone No. 579-777-2771

## GENERATOR

NO. 342599

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. \_\_\_\_\_

Site Name/

Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





# TEXAS-NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Dr. M. K. K.Phone No. 775-216-2266

## GENERATOR

NO. **342403**

Operator No. \_\_\_\_\_

Operators Name Alvion Portland NHAddress 5301 12th StCity, State, Zip Portland NH 02770Phone No. 575-827-567

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amco prod 11 dth 1County TaddAPI No. 3A-075-7775

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 015 IT03V

### EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

### NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Elko's son's TruckingAddress 1501

Phone No. \_\_\_\_\_

Driver's Name Manuel

Phone No. \_\_\_\_\_

Truck No. 14

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

### TRUCK TIME STAMP

### DISPOSAL FACILITY

### RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name: Jason K. RicePhone No. 975-246-2111

## GENERATOR

NO. 342404

Operator No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Operators Name Abraham Oilfield Inc

Lease/Well \_\_\_\_\_

Address \_\_\_\_\_

Name & No. Anna and H. off 1

County \_\_\_\_\_

City, State, Zip Orlando, FL 32801API No. 30-015-7275Phone No. 575-822-5072Rig Name & No. Acus 11024

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS \_\_\_\_\_ Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Southern Energy LLCDriver's Name Lois RiceAddress BRT

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 112

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7-75-24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 26Site Name/  
Permit No. Red Bluff Facility / STF-065Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        | Free Water     |          |
| 2nd Gauge |      |        | Total Received |          |
| Received  |      |        |                |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED 1125DENIED 1125

If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Reuben KaiseyPhone No. 75-216-2716

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342598

Operator No. \_\_\_\_\_  
 Operators Name Chelion Chelbnd  
 Address 5301  
 City, State, Zip Chelbnd NM 88270  
 Phone No. 575-897-6671

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco ml 11 CTB-1  
 County McM  
 API No. 34 013-27475  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. 1006 L1038

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Rico & Sons Trucking - RAT  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name Jesus Villalobos  
 Phone No. \_\_\_\_\_  
 Truck No. 15  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |          |
|----------------|----------|
| BS&W Received  | BS&W (%) |
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED 1123

DENIED

If denied, why? 266

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Brandon KiserPhone No. 575-976-9711

## GENERATOR

NO. 342597

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name &amp; No.

City, State, Zip

County

Phone No.

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.

Site Name/  
Permit No.Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Pinshu K. K.Phone No. 575-774-7766

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342600

Operator No.

Operator's Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





New Mexico

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Reshma KatariaPhone No. 575-266-7266

## GENERATOR

NO. **342463**

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Carlsbad NM 88520Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco prod 11c16County CurryAPI No. 3015-015-27475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 0015 ITC3V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_  
 Oil Based Cuttings \_\_\_\_\_  
 Water Based Muds \_\_\_\_\_  
 Water Based Cuttings \_\_\_\_\_  
 Produced Formation Solids \_\_\_\_\_  
 Tank Bottoms \_\_\_\_\_  
 E&P Contaminated Soil \_\_\_\_\_  
 Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_  
 Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_  
 Produced Water (Non-Injectable) \_\_\_\_\_  
 Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

120 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Flin SerreroDATE 7/26/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Byrce BarneyPhone No. 943 704 732Truck No. 145WHP No. N/A

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7/26/24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7/26/24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/ Permit No. Red Bluff Facility / STE-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge \_\_\_\_\_  
 2nd Gauge \_\_\_\_\_  
 Received \_\_\_\_\_

Feet

Inches

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? [Signature]NAME (PRINT) MISSADATE 7/26TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Preston Kersy

Phone No. 575-266-2266

## GENERATOR

NO. 342464

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulation 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

Transporter's Name

Address

Phone No.

## TRANSPORTER

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: OUT:

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name: Robert KaiserPhone No: 575-266-2766

## GENERATOR

NO. 342447

Operator No. \_\_\_\_\_

Operators Name ChavonAddress 5301 Lomas DrCity, State, Zip Harshad NM 88920Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well

Name & No. Amoco pad 11 oil h 1County TellerAPI No. 30-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 0005 0038

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Beilv Dome</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 8 BARRELS 20 Y-YARDS 0 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE Elm KomerDATE 7/26/24

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's

Name Rico & Son's TruckingAddress BTR

Phone No. \_\_\_\_\_

Driver's Name Brayan Rico

Phone No. \_\_\_\_\_

Truck No. #01

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7/26/24DRIVER'S SIGNATURE Brayan Rico

DELIVERY DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 10

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES ☐NO ☒

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES ☐NO ☐

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        |                |          |
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED ☒DENIED ☐

If denied, why? \_\_\_\_\_





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name: Archie K. KiserPhone No: 575-746-7211

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342446

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5201 J. Edgar HooverCity, State, Zip Garland, TX 75042Phone No. 575-287-5470

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amco Prod 11 cll-2County TarrantAPI No. 32-015-22975Rig Name & No. DLAAFE/PO No. 0105 1103V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No. \_\_\_\_\_

Driver's Name Jesus Villalobos

Phone No. \_\_\_\_\_

Truck No. 15

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

Name/No. 78Site Name/  
Permit No.Red Bluff Facility / STF-065

Address

5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?





# TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Karsten KiserPhone No. 575-211-7211

## GENERATOR

NO. 342449

Operator No. \_\_\_\_\_  
 Operators Name Chevron  
 Address 5301 Lomas Rd  
 City, State, Zip Irishwood NM 88270  
 Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco Red 116-11  
 County Hardy  
 API No. 30-015-22475  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. 0015 11038

### EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

### NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 7 B-BARRELS 7 Y-YARDS 7 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Rico & Sons Trucking  
 Address 150 T  
 Phone No. \_\_\_\_\_

Driver's Name Manuel Rico  
 Phone No. \_\_\_\_\_  
 Truck No. 14  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

### TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

### DISPOSAL FACILITY

### RECEIVING AREA

Name/No. 28

Site Name/Permit No. Red Bluff Facility - STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE









## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## Company Man Contact Information

Name: Arash KaramPhone No: 575-246-1216

## GENERATOR

NO. 342424

Operator No. \_\_\_\_\_  
 Operators Name Chevron Carlisbad NM  
 Address 530-10005 DR  
 City, State, Zip Carlisbad NM 88210  
 Phone No. 575-487-5677

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Anger 11161  
 County TCHV  
 API No. 30-015-2275  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. 005 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Bellv Dome</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS 20 Y-YARDS 20 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Flin Romero

(PRINT) AUTHORIZED AGENTS SIGNATURE

7/26/24

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name BR+  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez  
 Phone No. \_\_\_\_\_  
 Truck No. 147  
 WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/Permit No. Red Bluff Facility/STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |          |
|----------------|----------|
| BS&W Received  | BS&W (%) |
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_





NE-1112850

## TEXAS-NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Arshad KhanPhone No. 575-211-2711

## GENERATOR

NO. 342444

Operator No. \_\_\_\_\_

Operators Name ChokmanAddress 5201 Longs rdCity, State, Zip Chickasha NM 88210Phone No. 575-847-7475

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Red 11 wellCounty FAIRAPI No. 37-015-2245

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. Ons 11034

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 7 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Flin Bricker 7/26/24 7/26/24

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

## TRANSPORTER

Transporter's Name Black Horse TruckingAddress 7501 S. 1st St. N. D.Phone No. 575-2415-2309Driver's Name Servando DominguezPhone No. 575-2415-4053Truck No. 1419WHP No. 4275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

7-26-24 Servando Dominguez 7-26-24 Servando Dominguez

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/Permit No. Red Bluff Facility / STF-065 Phone No. 432-448-4239

Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒ If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one): ACCEPTED 7/26/24 7/26/24 7/26/24

NAME (PRINT) DATE TITLE SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Prashn KeraPhone No. 75-776-226

## GENERATOR

NO. 342436

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas drCity, State, Zip Chisholm NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco prod 11-16-1County TellerAPI No. 33-015-2245

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 0005 110 KV

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Flm K... 7/26/24

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Rico & Son's TruckingAddress BET

Phone No. \_\_\_\_\_

Driver's Name Manuel Rico

Phone No. \_\_\_\_\_

Truck No. 14

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-26-24

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility/ STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge \_\_\_\_\_

2nd Gauge \_\_\_\_\_

Received \_\_\_\_\_

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS-NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name John K. K...Phone No. 214-280-7211

## GENERATOR

NO. 342441

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lamar RdCity, State, Zip Dallas TX 75201Phone No. 575-847-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco 11111County Ft. WorthAPI No. 32-019-22975Rig Name & No. Chas 17021

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

5ellv Dink

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elm K...DATE 7/24/24

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name

Address Black River TruckingAddress 25 N. Highway RdAddress Wichita, KSPhone No. 785-2245-2309Driver's Name Scramble DominguezPhone No. 575-840-9653Truck No. 1419WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-26-24DRIVER'S SIGNATURE Scramble DominguezDELIVERY DATE 7-26-24DRIVER'S SIGNATURE Scramble Dominguez

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX-79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) Elm K...DATE 7/24/24

TITLE \_\_\_\_\_

SIGNATURE Elm K...



## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Pinckney W. SmithPhone No. 575-710-7710

## GENERATOR

NO. 342442

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5201 LomasCity, State, Zip Colebrook NM 88720Phone No. 575-887-507

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco well 11 off 1County ElddyAPI No. 42-015-72475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 0005 LT03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_  
 Oil Based Cuttings \_\_\_\_\_  
 Water Based Muds \_\_\_\_\_  
 Water Based Cuttings \_\_\_\_\_  
 Produced Formation Solids \_\_\_\_\_  
 Tank Bottoms \_\_\_\_\_  
 E&P Contaminated Soil \_\_\_\_\_  
 Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_  
 Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_  
 Produced Water (Non-Injectable) \_\_\_\_\_  
 Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

X Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Tim BruckDATE 7/26/24

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name BRTAddress Alamo River Trucking

Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez

Phone No. \_\_\_\_\_

Truck No. 147WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 07/26/24DRIVER'S SIGNATURE Andres Rodriguez

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) S. J. P.DATE 7/26/24TITLE AdamSIGNATURE Adam





(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Patricia K...Phone No. 757-726-7216**GENERATOR**NO. **342405**

Operator No. \_\_\_\_\_  
 Operators Name Chervon Chisholm  
 Address 5301 James St  
 City, State, Zip Chisholm LA 70710  
 Phone No. 575-847-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amorad 11 ch 1  
 County Adair  
 API No. 31-015-72475  
 Rig Name & No. OCUS 1103X  
 AFE/PO No. \_\_\_\_\_

**EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)**

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

**NON-EXEMPT E&P Waste/Service Identification and Amount**

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 7 B-BARRELS 7 Y-YARDS 7 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

**TRANSPORTER**

Transporter's Name Black River Trucking  
 Address 25 N. Main St. W  
 Phone No. Malaga NM 88423

Driver's Name Joel Gomez  
 Phone No. \_\_\_\_\_  
 Truck No. 69  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

**TRUCK TIME STAMP**

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

**DISPOSAL FACILITY****RECEIVING AREA**Name/No. 78

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO  
 NORM (mR/hr) \_\_\_\_\_

**TANK BOTTOMS**

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        |                |          |
| 2nd Gauge |      |        | Free Water     |          |
| 3rd Gauge |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

ic@northstarforms.com  
 7) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160R

donc@northstarforms.com  
 (877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160R





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Robert KormanPhone No. 575-276-2716

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342440

Operator No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Operators Name Chelvan

Lease/Well

Address 5301 Lombard RdName & No. Amoco Prod 11 clb 1County EddyCity, State, Zip Irishbnd NM 87270API No. 30-115-22975Phone No. 575-827-5370

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. Chas 17038

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

15clb DOME

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin KormanDATE 7/26/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & Sons TruckingAddress BKT

Phone No. \_\_\_\_\_

Driver's Name Bryan R. 20

Phone No. \_\_\_\_\_

Truck No. #01

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 7/26/24DRIVER'S SIGNATURE Bryan R. 20

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge  
2nd Gauge  
Received

Feet

Inches

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? [Signature]

NAME (PRINT)

DATE

TITLE

SIGNATURE





# TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name: Arden K. B. B.Phone No: 254-266-2266

## GENERATOR

NO. **342427**

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/ Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name: Red Bull KerosenePhone No: 575-226-2210

## GENERATOR

NO. 342439

Operator No. \_\_\_\_\_

Operators Name ChavonAddress 5301 Lamps RdCity, State, Zip Chilshod, NJ 08070Phone No. 575-887-5370

Permit/RRC No. \_\_\_\_\_

Lease/Well

Name & No. Amoco pad 11 alb 2County HardyAPI No. 30-015-2245Rig Name & No. Crus 1103X

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elm EicherDATE 7/25/11

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Red Bull Kerosene - BRT

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Sean Vallejos

Phone No. \_\_\_\_\_

Truck No. 15

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/26/11

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) SeagerDATE 7/26/11TITLE AdminSIGNATURE Amie





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Proctor KaysPhone No. 375-716 2766

## GENERATOR

NO. 342425

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds  
Oil Based Cuttings  
Water Based Muds  
Water Based Cuttings  
Produced Formation Solids  
Tank Bottoms  
E&P Contaminated Soil  
Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)  
Completion Fluid/Flow Back (Non-Injectable)  
Produced Water (Non-Injectable)  
Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Andres KeraPhone No. 575-776-7767

## GENERATOR

NO. 342407

Operator No. 11111111  
 Operators Name Carlsbad NM  
 Address 5301 Combs  
 City, State, Zip Carlsbad NM 88720  
 Phone No. 575-847-5670

Permit/RRC No. 11111111  
 Lease/Well Name & No. 11111111  
 County El Paso  
 API No. 30 015-72475  
 Rig Name & No. CRUS 1 TOZY  
 AFE/PO No. 11111111

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other 150111 done \*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name BRT  
 Address Black River Trucking  
 Phone No. 11111111

Driver's Name Andres Rodriguez  
 Phone No. 147  
 Truck No. 6275  
 WHP No. 11111111

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: 11111111 OUT: 11111111

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 11111111

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒  
 NORM (mR/hr) 11111111

## TANK BOTTOMS

Feet

Inches

|           |  |
|-----------|--|
| 1st Gauge |  |
| 2nd Gauge |  |
| Received  |  |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED ☒DENIED ☐If denied, why? 11111111

NAME (PRINT)

DATE

TITLE

SIGNATURE





TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Archie K. K...Phone No. 575-226-2760

## GENERATOR

NO. 342429

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

Selly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name: Poslan KiserPhone No. 575-216-2216

## GENERATOR

NO. 342423

Operator No. \_\_\_\_\_

Operators Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name &amp; No. \_\_\_\_\_

County \_\_\_\_\_

API No. \_\_\_\_\_

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. \_\_\_\_\_

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | Belly Dump                                                     |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 2 B-BARRELS 2 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name \_\_\_\_\_

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site Name/

Permit No. \_\_\_\_\_

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Bohn KoraPhone No. 575-766-2244

## GENERATOR

NO. 342445

Operator No. \_\_\_\_\_

Operators Name ChavronAddress 5301 LomasCity, State, Zip Midland NM 89001Phone No. 575-881-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco prod 11 dlt 1County 1 dltAPI No. 32-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 0015 L103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              |                                             |                                                                |
| E&P Contaminated Soil     | INTERNAL USE ONLY                           |                                                                |
| Gas Plant Waste           | Truck Washout (exempt waste)                |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE Flin KoraDATE 7/26/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & Son's TruckingAddress 1527

Phone No. \_\_\_\_\_

Driver's Name Almond Rico

Phone No. \_\_\_\_\_

Truck No. 14

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-26-24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7-26-24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 10Site Name/  
Permit No. Red-Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|           |  |
|-----------|--|
| 1st Gauge |  |
| 2nd Gauge |  |
| Received  |  |

|                |          |
|----------------|----------|
| BS&W Received  | BS&W (%) |
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? [Signature]NAME (PRINT) [Signature]DATE 7/26/24TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Arden K. K...Phone No. 575-226-2200

## GENERATOR

NO. 342428

Operator No. \_\_\_\_\_  
 Operators Name Chevron Carlsbad NM  
 Address 5306 Tomas  
 City, State, Zip Carlsbad NM 88220  
 Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Ampro red 11 cbl 2  
 County LeFlore  
 API No. 30-019-22475  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. 0018 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              | <u>Belly Dome</u>                                              |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Elin Bannier  
 (PRINT) AUTHORIZED AGENTS SIGNATURE

7/28/24  
 DATE

[Signature]  
 SIGNATURE

## TRANSPORTER

Transporter's Name Pro of Sun Trading - BRT Driver's Name José Villalobos  
 Address \_\_\_\_\_ Phone No. \_\_\_\_\_  
 Phone No. \_\_\_\_\_ Truck No. 15  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Site Name/ R360 1103X  
 Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

| 1st Gauge | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐ If denied, why? Aug  
[Signature] 7/28/24 Arden [Signature]  
 NAME (PRINT) DATE TITLE SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name: Arshad KhanPhone No. 515-276-2766

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342431

Operator No. \_\_\_\_\_ Permit/RRC No. \_\_\_\_\_  
 Operators Name Cardinal Chevron Co. Lease/Well Amoco Prod 11th 1  
 Address 5301 Tompkins Dr County Edwards  
 City, State, Zip Worthland, TX 79770 API No. 30-015-27975  
 Phone No. 575-487-5670 Rig Name & No. UCUS 1103X  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS \_\_\_\_\_ Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Southern Empire LLC Driver's Name Luis Riera  
 Address BRT Phone No. #3  
 Phone No. \_\_\_\_\_ Truck No. \_\_\_\_\_  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name: Ashton K. K. K.Phone No: 755-211-2111

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342448

Operator No. \_\_\_\_\_ Permit/RRC No. \_\_\_\_\_  
Operators Name Chavon Lease/Well Amoco red 11 oil 1  
Address 5301 Thomas Dr County Ford  
City, State, Zip Wichita Falls, TX 76790 API No. 72-115-27475  
Phone No. 575-887-5670 Rig Name & No. \_\_\_\_\_  
AFE/PO No. 1005 11038

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS 20 Y-YARDS 20 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Tim KruegerDATE 7/26/24

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name R.M. & Sons Trucking Driver's Name Bryan B. B.  
Address 5817 Phone No. \_\_\_\_\_  
Phone No. \_\_\_\_\_ Truck No. #01  
WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/26/24DRIVER'S SIGNATURE Bryan B. B.

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 18

Site Name/ Permit No. Red Bluff Facility / STF-065 Phone No. 432-448-4239  
Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet \_\_\_\_\_ Inches \_\_\_\_\_

| 1st Gauge | Feet | Inches |
|-----------|------|--------|
| 2nd Gauge |      |        |
| Received  |      |        |

| BS&W Received  | BS&W (%) |
|----------------|----------|
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED YESDENIED NO

If denied, why? \_\_\_\_\_

NAME (PRINT) Tim KruegerDATE 7/26/24

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





New Mexico

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name: Archie K. K...Phone No. 505 266-2760

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342450

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas DrCity, State, Zip Carlsbad NM 88770Phone No. 575-257-5170

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Lincoln Red II cfb 1County CurryAPI No. 30-06-27475Rig Name & No. LOCUS 1103X

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Tim K...DATE 7/26/24

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Black River TruckingAddress 25 N Nicholas Rd, Moberg, NM 88263

Phone No. \_\_\_\_\_

Driver's Name Bryce Barney

Phone No. \_\_\_\_\_

Truck No. 145

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7/26/24

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/26/24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 8Site Name/ Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_

donc@northstarforms.com

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160R





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Andres RodriguezPhone No. 575-266-2766

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342457

Operator No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Operators Name Chevron

Lease/Well

Name & No. Amoco Red Bluff 1Address 5201 Lomas RdCounty TarrantCity, State, Zip Fort Worth NM 88220API No. 3015-015-77415Phone No. 575-881-5670Rig Name & No. 11/AAFE/PO No. 0005 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              | <u>Bsly Dump</u>                                               |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☒ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Andres RodriguezDATE 7/2/24

SIGNATURE

## TRANSPORTER

Transporter's Name BRTDriver's Name Andres Rodriguez

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 147WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/Permit No. Red Bluff Facility/STF-065Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |          |
|----------------|----------|
| BS&W Received  | BS&W (%) |
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED Andres Rodriguez

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name: Probi KiserPhone No: 575-266-7266

## GENERATOR

NO. 342456

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Midland TX 79701Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amco WellCounty EL PASOAPI No. 3015-015-22475Rig Name & No. 011AFE/PO No. 0005 L1038

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin KiserDATE 7/16/24

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Black River TruckingAddress 25 N. Nicholas RDMalaga NM 88263

Phone No. \_\_\_\_\_

Driver's Name Joel Gomez

Phone No. \_\_\_\_\_

Truck No. 109

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7-26-24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS-NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name: Archie K. KingPhone No.: 575-411-7266

## GENERATOR

NO. **342455**

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5701 Lomas RdCity, State, Zip Donalson NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red 11c1bCounty FCRVAPI No. 3015-015-21475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 0005 1.03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Ball Dump</u>                                               |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Ilia J. KarreraDATE 7/26/24

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Black Olive TruckingAddress 25 N. Nicholas RdCity, State, Zip Alamo NMPhone No. 575-945-2309Driver's Name Servando DominguezPhone No. 575-840-9053Truck No. 140WHP No. 6235

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-26-24DRIVER'S SIGNATURE Servando DominguezDELIVERY DATE 7-26-24DRIVER'S SIGNATURE Servando Dominguez

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 78

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        | Free Water     |          |
| 2nd Gauge |      |        | Total Received |          |
| Received  |      |        |                |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

(NAME (PRINT)) Ilia J. KarreraDATE 7/26/24TITLE OwnerSIGNATURE Ilia J. Karrera





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name: Resha K. FordPhone No. 575-266-2766

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342454

Operator No. \_\_\_\_\_  
 Operators Name Chevron  
 Address 5301 Comstock  
 City, State, Zip Parisland NM 87020  
 Phone No. 575-881-567

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco Red 11 elb  
 County El Paso  
 API No. 30-019-22475  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. 1505 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            |  | NON-INJECTABLE WATERS                       |  | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|--|---------------------------------------------|--|----------------------------------------------------------------|
|                           |  |                                             |  |                                                                |
| Oil Based Cuttings        |  | Washout Water (Non-Injectable)              |  |                                                                |
| Water Based Muds          |  | Completion Fluid/Flow Back (Non-Injectable) |  |                                                                |
| Water Based Cuttings      |  | Produced Water (Non-Injectable)             |  |                                                                |
| Produced Formation Solids |  | Gathering Line Water/Waste (Non-Injectable) |  |                                                                |
| Tank Bottoms              |  | INTERNAL USE ONLY                           |  |                                                                |
| E&P Contaminated Soil     |  | Truck Washout (exempt waste)                |  |                                                                |
| Gas Plant Waste           |  |                                             |  |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 8-BARRELS 20-Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE + Lin FordDATE 7/16/24

SIGNATURE \_\_\_\_\_

## TRANSPORTER

Transporter's Name Rico & Sons Trucking  
 Address CR+  
 Phone No. \_\_\_\_\_

Driver's Name Alvin  
 Phone No. \_\_\_\_\_  
 Truck No. 14  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7-16-24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |          |
|----------------|----------|
| BS&W Received  | BS&W (%) |
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) Lin FordDATE 7/16/24TITLE AlvinSIGNATURE Lin Ford





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Pirson KerciPhone No. 575-266-226

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342426

Operator No. \_\_\_\_\_  
 Operators Name Chevron Carlston NW  
 Address 5301 Jones Rd  
 City, State, Zip Carlston NW 88220  
 Phone No. 575-887-5710

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco red 11 c/h 7  
 County Levy  
 API No. 30-015-22475  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. 0005 1703X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Red Bluff Facility - BRT  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name Juan Villalobos  
 Phone No. \_\_\_\_\_  
 Truck No. 15  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED ☒DENIED ☐

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name: Joshua KaseyPhone No: 515-246-2246

## GENERATOR

NO. 342453

Operator No. \_\_\_\_\_  
 Operators Name Chelvan  
 Address 5301 Lanes Rd  
 City, State, Zip Wichita Falls, TX 76790  
 Phone No. 515-347-5672

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amco Prod Well  
 County Tarrant  
 API No. 30-015-22475  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. 0105 11038

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Southern Energy LLC  
 Address BRT  
 Phone No. \_\_\_\_\_

Driver's Name Luis R. Rio  
 Phone No. \_\_\_\_\_  
 Truck No. 413  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/ Red Bluff Facility / STF-065  
 Permit No. 5053 US Hwy 285, Orla, TX 79770  
 Address \_\_\_\_\_

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒ If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒  
 NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

| 1st Gauge | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Arson KersenPhone No. 575-766-2166

## GENERATOR

NO. 342477

Operator No.

Operators Name  
Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |  |                                             |  |                                                                |
|---------------------------|--|---------------------------------------------|--|----------------------------------------------------------------|
| Oil Based Muds            |  | NON-INJECTABLE WATERS                       |  | OTHER EXEMPT WASTES (type and generation process of the waste) |
| Oil Based Cuttings        |  | Washout Water (Non-Injectable)              |  |                                                                |
| Water Based Muds          |  | Completion Fluid/Flow Back (Non-Injectable) |  |                                                                |
| Water Based Cuttings      |  | Produced Water (Non-Injectable)             |  |                                                                |
| Produced Formation Solids |  | Gathering Line Water/Waste (Non-Injectable) |  |                                                                |
| Tank Bottoms              |  | INTERNAL USE ONLY                           |  |                                                                |
| E&P Contaminated Soil     |  | Truck Washout (exempt waste)                |  |                                                                |
| Gas Plant Waste           |  |                                             |  |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/  
Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Robin KiserPhone No. 575-246-2266

## GENERATOR

NO. 342474

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas drCity, State, Zip Corpus Christi TX 78402Phone No. 575-447-5870

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco prod 11 cfb 7County FalchAPI No. 3015-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 0015-1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENT'S SIGNATURE Elin BarreraDATE 7/22/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & Son Trucking - BRT

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Jose Villalobos

Phone No. \_\_\_\_\_

Truck No. 15

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7-26-24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/22/24TITLE DriverSIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Ricardo K. RicciPhone No. 254-766-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342470

Operator No. \_\_\_\_\_

Operators Name Chevron  
Address 5301 Lombas RdCity, State, Zip Irving, TX 76220  
Phone No. 972-887-5670Permit/RRC No. \_\_\_\_\_  
Lease/Well \_\_\_\_\_Name & No. Amco Prod 11 dlb 1County FordAPI No. 305-015 22475Rig Name & No. N/AAFE/PO No. 0015 1J03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE John FrancisDATE 7/26/11SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Southern Empire LLC  
Address BRT

Phone No. \_\_\_\_\_

Driver's Name Lu's Rico

Phone No. \_\_\_\_\_

Truck No. #3

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7-26-24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        |                |          |
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

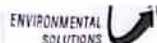
NAME (PRINT) [Signature]

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Phone No. 575-211-2766

|                  |                |                    |
|------------------|----------------|--------------------|
| <b>GENERATOR</b> |                | <b>NO. 342475</b>  |
| Operator No.     | Permit/RRC No. |                    |
| Operators Name   | Lease/Well     |                    |
| Address          | Name & No.     | Amoro part 11/26/1 |
| City, State, Zip | County         | Edm                |
| Phone No.        | API No.        | 3015-015-27975     |
|                  | Rig Name & No. |                    |
|                  | AFE/PO No.     | CRUG 1103X         |

|                                                                                                                |                                             |                                                                |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------|
| EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards) |                                             |                                                                |
| Oil Based Muds                                                                                                 | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
| Oil Based Cuttings                                                                                             | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds                                                                                               | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings                                                                                           | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids                                                                                      | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms                                                                                                   | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil                                                                                          | Truck Washout (exempt waste)                | Beily Dump                                                     |
| Gas Plant Waste                                                                                                |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Elm Krueger 7/28/24 DATE SIGNATURE

|                    |               |
|--------------------|---------------|
| <b>TRANSPORTER</b> |               |
| Transporter's Name | Driver's Name |
| Address            | Phone No.     |
| Phone No.          | Truck No.     |
|                    | WHP No.       |

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

|                  |      |                   |                |
|------------------|------|-------------------|----------------|
| TRUCK TIME STAMP |      | DISPOSAL FACILITY | RECEIVING AREA |
| IN:              | OUT: | Name/No.          |                |

Site Name/ Permit No. Red Bluff Facility / STF-065 Phone No. 432-448-4239

Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr)

|                     |                |
|---------------------|----------------|
| <b>TANK BOTTOMS</b> |                |
| Feet                | Inches         |
| 1st Gauge           | BS&W Received  |
| 2nd Gauge           | Free Water     |
| Received            | Total Received |

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Plesha KittenPhone No. 575-766-7266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342473

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lamps drCity, State, Zip Marshall NM 88270Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red well 1County EdgarAPI No. 3015-015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. CRIS 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Pump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Flin T. SerranoDATE 7/28/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & Sons TruckingAddress [Address]

Phone No. \_\_\_\_\_

Driver's Name Bryan RazoPhone No. [Phone]

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/26/24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        |                |          |
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED [Signature]

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Ashtin KeraPhone No. 575-266-2766

## GENERATOR

NO. 342476

Operator No. \_\_\_\_\_  
 Operators Name Chevron  
 Address 5301 Lomas dr  
 City, State, Zip Dallas TX 75220  
 Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well \_\_\_\_\_  
 Name & No. Amoro Red 11 clb  
 County Eddy  
 API No. 3016-019-22975  
 Rig Name & No. Orus 1103V  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 7 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE Flin BarreraDATE 7/28/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River Trucking  
 Address 2501 Nueces Rd  
Malaga NM  
 Phone No. 575-745-7309

Driver's Name Servando Dominguez  
 Phone No. 575-249-9853  
 Truck No. 149  
 WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-26-24DRIVER'S SIGNATURE Servando DominguezDELIVERY DATE 6-26-24DRIVER'S SIGNATURE Servando Dominguez

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 78

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Oria, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED 7/28/24DENIED ArinIf denied, why? ArinNAME (PRINT) ServandoDATE 7/28/24TITLE ArinSIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Archie KormanPhone No. 575-216-7216

## GENERATOR

NO. **342451**

Operator No. \_\_\_\_\_  
 Operators Name Chevron  
 Address 7301 Lomas Rd  
 City, State, Zip Overland NM 87020  
 Phone No. 575-887-5677

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco red well 1  
 County Levy  
 API No. 30-015-22475  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. Drus 11038

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Muds            | Washout Water (Non-Injectable)              |                                                                |
| Oil Based Cuttings        | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Muds          | Produced Water (Non-Injectable)             |                                                                |
| Water Based Cuttings      | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Produced Formation Solids |                                             |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Bell Dump</u>                                               |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 7 B-BARRELS 1 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Rico & Son's Trucking  
 Address P&T  
 Phone No. \_\_\_\_\_

Driver's Name Bryan Deza  
 Phone No. \_\_\_\_\_  
 Truck No. #01  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | Free Water | Total Received | BS&W (%) |
|-----------|------|--------|---------------|------------|----------------|----------|
| 1st Gauge |      |        |               |            |                |          |
| 2nd Gauge |      |        |               |            |                |          |
| Received  |      |        |               |            |                |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





# TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name: Rocky KasonPhone No: 575-211-2266

## GENERATOR

NO. 342452

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5501 Longview DrCity, State, Zip Midland, NM 89020Phone No. 575-227-5070

Permit/RRC No. \_\_\_\_\_

Lease/Well

Name & No. Amoco prod 11 oibCounty EchAPI No. 30-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 015 11038

## EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 86 B-BARRELS 21 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Tim KarseneDATE 7/26/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Bryce Barney

Phone No. \_\_\_\_\_

Truck No. 145

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7/26/24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7/26/24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/ Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? [Signature]NAME (PRINT) [Signature]DATE 7/26/24TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arshon KelsonPhone No. 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342497

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 LAMMS RDCity, State, Zip Chilchind NM 88270Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red cth. 1County EdmAPI No. 50-015-27475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 0015 1703X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Sellv Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 2 B-BARRELS 2 Y-YARDS 2 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Flin KorrerDATE 7/27/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & Son's TruckingAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Brayan Razo

Phone No. \_\_\_\_\_

Truck No. #07

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/27/24DRIVER'S SIGNATURE Brayan Razo

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) [Signature]DATE 7/27TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Dreslon KesselPhone No. 575-266-2266

## GENERATOR

NO. **342489**

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Carlsbad NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Red 11 c/b 1County AdairAPI No. 50-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. OCUS 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS Y-YARDS 20 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin SomersDATE 7/27/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & Sons TruckingAddress BRTS

Phone No. \_\_\_\_\_

Driver's Name Raymundo Rivera

Phone No. \_\_\_\_\_

Truck No. 14

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/27/24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        |                |          |
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED 11/27

DENIED

If denied, why? [Signature]NAME (PRINT) [Signature]

DATE

TITLE

SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name John KaiserPhone No. 575-266 2766

## GENERATOR

NO. **342499**

Operator No. \_\_\_\_\_  
 Operators Name Chevron  
 Address 5301 Lomas Rd  
 City, State, Zip Carlsbad NM 88220  
 Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco red 11 clb 7  
 County Edm  
 API No. 30-015-27975  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. MCUS 11038

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Self Dump</u>                                               |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 2 B-BARRELS 2 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Red Bluff Facility - BRT  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name Jesús Villalobos  
 Phone No. \_\_\_\_\_  
 Truck No. 15  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/  
 Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒

If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐  
 NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet Inches

|           |  |  |
|-----------|--|--|
| 1st Gauge |  |  |
| 2nd Gauge |  |  |
| Received  |  |  |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arslon KriseiPhone No. 575-266-2766

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342487

Generator No.

Generator Name  
AddressChevro  
5301 Lomas RdState, Zip  
City No.Corliss NM 88220  
575-887-5670

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

Amoco red 11 clb  
Ford  
30-015-22475  
Oris 1J03X

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Based Muds                | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Based Cuttings            | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Drill Bottoms             | INTERNAL USE ONLY                           |                                                                |
| Oil Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| As Plant Waste            |                                             | <u>Scrap Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

## DISPOSAL FACILITY

RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/  
Permit No.Red Bluff Facility / STF-065  
5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

Address

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge  
2nd Gauge  
Received

Feet

Inches

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Dorshon KeiserPhone No. 575-766-7266

N.M.

## GENERATOR

NO. 342486

Operator No. \_\_\_\_\_

Operators Name PheltonAddress 5501 Lomas drCity, State, Zip Northbrook NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco prod II clbCounty LeaAPI No. 30-015-17975Rig Name & No. Orus 1J03X

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Sally Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin K. SmercDATE 7/27/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River TruckingAddress 25 N. Alameda RdPhone No. 575-721-2300Driver's Name Sevando DominguezPhone No. 575-8510-9053Truck No. 149WHP No. 6775

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-27-24DRIVER'S SIGNATURE Sevando DominguezDELIVERY DATE 7-27-24DRIVER'S SIGNATURE Sevando Dominguez

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/  
Permit No. Red Bluff Facility / STE-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

| BS&W Received  | BS&W (%) |
|----------------|----------|
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? [Signature]NAME (PRINT) MelissaDATE 7/27TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Preston KeiserPhone No. 575-261-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342488

Operator No. \_\_\_\_\_  
 Operators Name Chevron  
 Address 5301 Lomas Rd  
 City, State, Zip Garland TX 75040  
 Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco Fed 11 c/b 1  
 County Ford  
 API No. 30-015-27975  
 Rig Name & No. OUR 1103X  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Southern Empire LLC  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name Luis Rico  
 Phone No. \_\_\_\_\_  
 Truck No. #3  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Proshn KeiserPhone No. 56-266-2266

(PLEASE PRINT) \*REQUIRED INFORMATION\*

## GENERATOR

NO. 342482

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas drCity, State, Zip Carlsbad NM 88120Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Red 11 of 6County Eddy

API No. \_\_\_\_\_

Rig Name & No. 3015-015-21475AFE/PO No. COCUS 1308X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)Elin Barriere  
(PRINT) AUTHORIZED AGENTS SIGNATURE7/28/24  
DATE[Signature]  
SIGNATURE

## TRANSPORTER

Transporter's Name BRTAddress Black River Trucking

Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez

Phone No. \_\_\_\_\_

Truck No. 147WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 07/27/24DRIVER'S SIGNATURE Andres Rodriguez

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA 28

Name/No. \_\_\_\_\_

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

Phone No. 432-448-4239

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|           |  |  |
|-----------|--|--|
| 1st Gauge |  |  |
| 2nd Gauge |  |  |
| Received  |  |  |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/27/24TITLE AlanSIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Preslen KaiserPhone No. 575-766-7266

## GENERATOR

NO. 342816

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas rdCity, State, Zip Chisholm NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco pool 11 clb 7County EddyAPI No. 30-015-27475Rig Name & No. OCUS 1703X

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin KorrerDATE 7/27/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Pro & Son's Trucking - RRT

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Jesus Villalobos

Phone No. \_\_\_\_\_

Truck No. 15

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/27/24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. [Signature]

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) SJZ 81DATE 7/27/24TITLE AsstSIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Persha KerePhone No. 515-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342481**

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

See 11x Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN:

OUT:

Name/No.

Site Name/

Permit No.

Address

Red-Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Arslan KersenPhone No. 515-266-2266

## GENERATOR

NO. 342458

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5401 Lamps RdCity, State, Zip Carlsbad NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Red 11 clbCounty EddyAPI No. 3015-015-27475Rig Name & No. Orus 1105X

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin KersenDATE 7/27/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Pico & Sons Trucking - BRT

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Jesús Villalobos

Phone No. \_\_\_\_\_

Truck No. 15

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7/27/24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above Toid material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) DuzyeDATE 7/27/24TITLE ADNSIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Picston KeiserPhone No. 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342465

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas rdCity, State, Zip Chisholm NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red 11 clb 1County EddyAPI No. 3015-015-22975Rig Name & No. CRUS 1T 03X

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐

DRILLING

☐

COMPLETION

☒

PRODUCTION

☐

GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin KernerDATE 7/28/14SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Southern Empire LLCAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Luis RicoPhone No. #3

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7-27-14

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? 11/1





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Preston KeiserPhone No. 575-766-2266

(PLEASE PRINT) \*REQUIRED INFORMATION\*

## GENERATOR

NO. 342466

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas rdCity, State, Zip Carlsbad NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red 11 c1b1County EddyAPI No. 3015-015-99475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. UCUS 1403X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly DumpWASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)Elin Isneric

(PRINT) AUTHORIZED AGENTS SIGNATURE

7/26/24

DATE

BDD

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No. \_\_\_\_\_

Black River TruckingDriver's Name Bryce Ramsey

Phone No. \_\_\_\_\_

Truck No. 145

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7/27/24DRIVER'S SIGNATURE BDDDELIVERY DATE 7/27/24DRIVER'S SIGNATURE BDD

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) MelissaDATE 7/27

TITLE

SIGNATURE Melissa





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name: Prosen KeiselPhone No: 515-266 2266

## GENERATOR

NO. 342467

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Corpus Christi TX 78402Phone No. 515-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Red HillCounty EdwardsAPI No. 3015-015-22415Rig Name & No. OCUS 1203X

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

26 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)Elin Bauera

(PRINT) AUTHORIZED AGENTS SIGNATURE

7/76/24

DATE

[Signature]

SIGNATURE

## TRANSPORTER

Transporter's Name Black River TruckingAddress 25 Alcala RdPhone No. 657-711-3739Driver's Name Ruben Bustillos

Phone No. \_\_\_\_\_

Truck No. 69WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? [Signature]

NAME (PRINT)

DATE

TITLE

SIGNATURE





NEW MEXICO

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Resha KeiserPhone No. 575-766-2216

## GENERATOR

NO. 342468

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas rdCity, State, Zip Gallop NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco pad 11 abCounty EdmAPI No. 3015-015-22415Rig Name & No. 1005 1703X

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin KauerDATE 7/26/24SIGNATURE RTD

## TRANSPORTER

Transporter's Name Black River TruckingAddress 25 N. Hobbs RdMalaga N.M.Phone No. 575-745-2309Driver's Name Servando DominguezPhone No. 575-840-9053Truck No. 159WHP No. 10775

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-27-24DRIVER'S SIGNATURE Servando DominguezDELIVERY DATE 7-27-24DRIVER'S SIGNATURE Servando Dominguez

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) Sig R.DATE 7/27/24TITLE AlanSIGNATURE Alan





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

N.M.

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## Company Man Contact Information

Name Preston KeiserPhone No. 575-266-2266

## GENERATOR

NO. **342469**

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas rdCity, State, Zip Garland NM 88020Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red 11-46-46-1County EddyAPI No. 3015-015-2475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. OCUS 1703X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Elin Barnera</u>                                            |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

70 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin BarneraDATE 7/26/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name BRTAddress Black River Trucking

Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez

Phone No. \_\_\_\_\_

Truck No. 147WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 07/27/24DRIVER'S SIGNATURE Andres Rodriguez

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) M. J. SosaDATE 7/27/24TITLE [Signature]SIGNATURE [Signature]





NEW MEXICO

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Presha KeraPhone No. 575-266-2244

## GENERATOR

NO. 342462

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Galveston NM 88220Phone No. 575-881-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoro Red 11 clb 1County EddyAPI No. 3015-015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. CRUS 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 X-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)Elin Carrero

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Rico & Son's TruckingAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Bryan Razo

Phone No. \_\_\_\_\_

Truck No. #07

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 20Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Preston KeiserPhone No. 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342461

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas rdCity, State, Zip Carlsbad NM 88170Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco prod 11 cdb 1County EdgarAPI No. 3015-0115-72975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. OCUS 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Bell Dump</u>                                               |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)Elin Baruer  
(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Rico y Sons TruckingAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Raymundo Rivera

Phone No. \_\_\_\_\_

Truck No. #14

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        |                |          |
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arshin KarsaPhone No 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342460

Operator No.

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Corpus Christi NM 88770Phone No. 575-881-5670

Permit/RRC No.

Lease/Well

Name & No. Amoco Prod 11 C16County El PasoAPI No. 3015-015-22475

Rig Name &amp; No.

AFE/PO No. OCUS 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           | NON-INJECTABLE WASTES                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Muds            | Washout Water (Non-Injectable)              |                                                                |
| Oil Based Cuttings        | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Muds          | Produced Water (Non-Injectable)             |                                                                |
| Water Based Cuttings      | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Produced Formation Solids |                                             |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 70 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin KarsaDATE 7/28/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name BRTAddress Black River Trucking

Phone No.

Driver's Name Andres Rodriguez

Phone No.

Truck No. 147WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 07/27/24DRIVER'S SIGNATURE Andres Rodriguez

## TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No. Red Bluff Facility - STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) Arshin KarsaDATE 7/28/24

TITLE

SIGNATURE [Signature]





# TEXAS-NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Preston KeiserPhone No. 575-266-224

## GENERATOR

NO. 342480

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas drCity, State, Zip Unlashed NM 88270Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red 11 clbCounty Edwy

API No. \_\_\_\_\_

Rig Name & No. 3015-715-27975AFE/PO No. OCUS 1703X

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

OTHER EXEMPT WASTES (type and generation process of the waste)

Belly

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin K. SchererDATE 7/20/24SIGNATURE ATD

## TRANSPORTER

Transporter's Name Black River TruckingAddress 25 Nicholas RdPhone No. 525-445-2309Driver's Name Servando DominguezPhone No. 525-840-9053Truck No. 149WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

7-27-24

SHIPMENT DATE

Servando Dominguez

DRIVER'S SIGNATURE

7-27-24

DELIVERY DATE

Servando Dominguez

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) SergioDATE 7/27/24TITLE AlanSIGNATURE Alan





NEW MEXICO

## TEXAS-NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Preshn KiserPhone No. 575-266-2266

## GENERATOR

NO. 342478

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas drCity, State, Zip Carlsbad NM 88220Phone No. 575 887 5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Ammon pad 11 d16County EdmAPI No. 3015-015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 1015 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS \_\_\_\_\_ Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)Flin Kiser

(PRINT) AUTHORIZED AGENTS SIGNATURE

7/28/24

DATE

[Signature]

SIGNATURE

## TRANSPORTER

Transporter's Name Black River TruckingAddress 25 Alameda RoadCarlsbad NMPhone No. (575) 745-2309Driver's Name Rub - Rustillos

Phone No. \_\_\_\_\_

Truck No. 69WHP No. 6225

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|           |  |  |
|-----------|--|--|
| 1st Gauge |  |  |
| 2nd Gauge |  |  |
| Received  |  |  |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? Ammon

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Preston KeiserPhone No. 875-266-2266

(PLEASE PRINT) \*REQUIRED INFORMATION\*

## GENERATOR

NO. 342459

Operator No. \_\_\_\_\_  
 Operators Name Cherion  
 Address 5301 Lomas  
 City, State, Zip Orlando NM 88920  
 Phone No. 575-887-5870

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amco prod-11 c/b-1  
 County TADU  
 API No. 3015-015-27415  
 Rig Name & No. Orus 1103X  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Elin Rullers 7/27/24 [Signature]  
 (PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

## TRANSPORTER

Transporter's Name Southern Empire LLC Driver's Name Luis Rico  
 Address \_\_\_\_\_ Phone No. \_\_\_\_\_  
 Phone No. \_\_\_\_\_ Truck No. #3  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-77-74 DRIVER'S SIGNATURE [Signature] DELIVERY DATE 7-77-74 DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Site Name/Permit No. Red Bluff Facility / STF-065 Phone No. 432-448-4239  
 Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One) YES (NO) If YES, was reading > 50 micro roentgens? (Circle One) YES (NO)  
 NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet Inches

|           |  |  |
|-----------|--|--|
| 1st Gauge |  |  |
| 2nd Gauge |  |  |
| Received  |  |  |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one) ACCEPTED 7/27 [Signature] DENIED [Signature] If denied, why? [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arson KeiserPhone No. 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342479

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

Bells DumpWASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: OUT:

Name/No. 20

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065  
5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Prosen KrenPhone No. 575-266-2266

## GENERATOR

NO. 342471

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas drCity, State, Zip Carlsbad NM 88270Phone No. 575-897-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red 11 clbCounty + ddvAPI No. 3015-015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. OCUS 1703X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 70 B-BARRELS 70 Y-YARDS 70 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)Elin Barrero

(PRINT) AUTHORIZED AGENTS SIGNATURE

7/24/24

DATE

[Signature]

SIGNATURE

## TRANSPORTER

Transporter's Name Black River TruckingAddress 2

Phone No. \_\_\_\_\_

Driver's Name Bryce BarneyPhone No. 145

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7/24/24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7/24/24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No. Red-Bluff Facility / STE-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED [Signature]DENIED [Signature]If denied, why? AugNAME (PRINT) [Signature]DATE 7/24/24TITLE ApmSIGNATURE [Signature]donc@northstarforms.com  
(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160F





NEW MEXICO

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Preston KeiserPhone No. 575-266-2720

## GENERATOR

NO. 342484

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas drCity, State, Zip Orlsband NM 88220Phone No. 575-882 5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoro pad 11 0167County ElddyAPI No. 50-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. Orus 1103Y

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>15ellv Dump</u>                                             |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount.

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin IsnericDATE 7/22/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's

Name Rico & Sons TruckingAddress BRTS

Phone No. \_\_\_\_\_

Driver's Name Raymundo Rivera

Phone No. \_\_\_\_\_

Truck No. 14

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 7/22/24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA 28

Name/No. \_\_\_\_\_

Site Name/

Permit No. Red-Bluff Facility - STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) SuzanneDATE 7/22/24TITLE AdamSIGNATURE [Signature]





# TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arson KelschPhone No. 515 266 2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342483**

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas DrCity, State, Zip Carlsbad NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco pad 11 clb 1County EddyAPI No. 30-015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. Brus 11038

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Kelly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)Flin Barriere

(PRINT) AUTHORIZED AGENTS SIGNATURE

7/29/24

DATE

SIGNATURE

Transporter's

Name

Address

Phone No.

## TRANSPORTER

Driver's Name Brayan R. 20

Phone No. \_\_\_\_\_

Truck No. #07

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site Name/

Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)





# TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Company Man Contact Information

Name Presbn KelsaPhone No. 975-766-7766**GENERATOR**NO. **342485**

Operator No. \_\_\_\_\_  
 Operators Name Chevron  
 Address 5301 Lomas dr  
 City, State, Zip Chilghod NM 88720  
 Phone No. 575 887-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amor red 11216  
 County Edm  
 API No. 30-015-27975  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. Orus 1703X

**EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)**

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Fill Dump</u>                                               |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES**NON-EXEMPT E&P Waste/Service Identification and Amount**

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS 20 Y-YARDS 0 E-EACH 0

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

**TRANSPORTER**

Transporter's Name BRT  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez  
 Phone No. 147  
 Truck No. 6275  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

**TRUCK TIME STAMP**

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

**DISPOSAL FACILITY****RECEIVING AREA**Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065-  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐

NORM (mR/hr) \_\_\_\_\_

**TANK BOTTOMS**

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Preston KriserPhone No. 575-766-2244Operator No. 1Operators Name ChevronAddress 5301 - Thomas DrCity, State, Zip Carlsbad NM 88220Phone No. 575-887-5670

## GENERATOR

NO. 342472

Permit/RRC No.

Lease/Well

Name & No. Amoco Red 11 clbCounty EdmAPI No. 3015-015-22975

Rig Name &amp; No.

AFE/PO No. OCUS IT03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)Flin Kriser

(PRINT) AUTHORIZED AGENTS SIGNATURE

7/28/24

DATE

ATD

SIGNATURE

## TRANSPORTER

Transporter's Name Blac River TruckingAddress 25 Avenida RoadMesa, AZ 85206Phone No. 575 745 2300Driver's Name Ruben BustilloPhone No. 69Truck No. 6275WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN:           OUT:           

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)           

## TANK BOTTOMS

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name: Piston KeiserPhone No: 575-266-2266

## GENERATOR

NO. 342500

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Northland NM 88220Phone No. 755-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoro pad 11 ch 1County El PasoAPI No. 30-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. Chous 1J03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Flin BrewerDATE 7/27/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Southern Empire LLC

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Luis RicoPhone No. #3

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-27-24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7-27-24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA 28

Name/No. \_\_\_\_\_

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES ☐NO ☒

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES ☐NO ☐

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED ☒DENIED ☐

If denied why? \_\_\_\_\_





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Dustin KeiserPhone No. 575-266-2266

## GENERATOR

NO. 342496

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301-10000 rdCity, State, Zip Christina NM 89720Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red 110167County ElddyAPI No. 30-015-27975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 0005 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |       |                                             |       |                                                                |
|---------------------------|-------|---------------------------------------------|-------|----------------------------------------------------------------|
| Oil Based Muds            | _____ | NON-INJECTABLE WATERS                       | _____ | OTHER EXEMPT WASTES (type and generation process of the waste) |
| Oil Based Cuttings        | _____ | Washout Water (Non-Injectable)              | _____ |                                                                |
| Water Based Muds          | _____ | Completion Fluid/Flow Back (Non-Injectable) | _____ |                                                                |
| Water Based Cuttings      | _____ | Produced Water (Non-Injectable)             | _____ |                                                                |
| Produced Formation Solids | _____ | Gathering Line Water/Waste (Non-Injectable) | _____ |                                                                |
| Tank Bottoms              | _____ | INTERNAL USE ONLY                           | _____ |                                                                |
| E&P Contaminated Soil     | _____ | Truck Washout (exempt waste)                | _____ | <u>Belly Dump</u>                                              |
| Gas Plant Waste           | _____ |                                             |       |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENT'S SIGNATURE Elm SourceDATE 7/27/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Pico & Sons TruckingAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Raymundo Rivera

Phone No. \_\_\_\_\_

Truck No. 14

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/27/24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | Free Water | Total Received | BS&W (%) |
|-----------|------|--------|---------------|------------|----------------|----------|
| 1st Guage |      |        |               |            |                |          |
| 2nd Guage |      |        |               |            |                |          |
| Received  |      |        |               |            |                |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? [Signature]





# TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Peslon KeenPhone No. 575-266-2766

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342498

Operator No. \_\_\_\_\_

Operators Name Chevron  
Address 5301 Lomas rdCity, State, Zip Chilchod NM 88220  
Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Ammon pad 11461County EdmAPI No. 50-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 0016 LJO3X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_  
 Oil Based Cuttings \_\_\_\_\_  
 Water Based Muds \_\_\_\_\_  
 Water Based Cuttings \_\_\_\_\_  
 Produced Formation Solids \_\_\_\_\_  
 Tank Bottoms \_\_\_\_\_  
 E&P Contaminated Soil \_\_\_\_\_  
 Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_  
 Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_  
 Produced Water (Non-Injectable) \_\_\_\_\_  
 Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Bellu DumpWASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 2 B-BARRELS 2 Y-YARDS 0 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Flin BarreraDATE 7/27/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River Trucking  
Address 25 N Nicholas Rd Malaga NM 88263

Phone No. \_\_\_\_\_

Driver's Name Bryce BarneyPhone No. 903 754 7372Truck No. BRT-145WHP No. N/A

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7/27/24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7/27/24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/ Permit No. Red Bluff Facility / STF-065  
Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge \_\_\_\_\_ Feet \_\_\_\_\_ Inches \_\_\_\_\_  
 2nd Gauge \_\_\_\_\_  
 Received \_\_\_\_\_

BS&amp;W Received \_\_\_\_\_

BS&amp;W (%) \_\_\_\_\_

Free Water \_\_\_\_\_

Total Received \_\_\_\_\_

I hereby certify that the above load material has been (circle one):

ACCEPTED [Signature]DENIED [Signature]If denied, why? [Signature]NAME (PRINT) [Signature]DATE 7/27TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arden KieselPhone No. 575-266-2746

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342814

Operator No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Operators Name Chevron

Lease/Well \_\_\_\_\_

Address 5301 Lomas RdName & No. Amoco prod 11 clbCity, State, Zip Christina NM 88210County FordPhone No. 575-887-5670API No. 30-015-22475Rig Name & No. 0015 1703X

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Bellv Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 26.5 B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin KieselDATE 7/27/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River TruckingDriver's Name Bryce Barney

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 145

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7/27/24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7/27/24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No. Red Bluff Facility / STF-065  
Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) SzyrDATE 7/27/24TITLE ArdenSIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arson KaiserPhone No 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342491**

Operator No. \_\_\_\_\_  
 Operators Name Chevron  
 Address 5301 Lomas dr  
 City, State, Zip Carlsbad NM 88220  
 Phone No. 575-887-5070

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco Red 110461  
 County Levy  
 API No. 30-015-22475  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. OCUS 1J03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| OIL BASED MUDS            |       | NON-INJECTABLE WATERS                       |       | OTHER EXEMPT WASTES (type and generation process of the waste) |  |
|---------------------------|-------|---------------------------------------------|-------|----------------------------------------------------------------|--|
| Oil Based Cuttings        | _____ | Washout Water (Non-Injectable)              | _____ | <u>Belly Dump</u>                                              |  |
| Water Based Muds          | _____ | Completion Fluid/Flow Back (Non-Injectable) | _____ |                                                                |  |
| Water Based Cuttings      | _____ | Produced Water (Non-Injectable)             | _____ |                                                                |  |
| Produced Formation Solids | _____ | Gathering Line Water/Waste (Non-Injectable) | _____ |                                                                |  |
| Tank Bottoms              | _____ | INTERNAL USE ONLY                           |       |                                                                |  |
| E&P Contaminated Soil     | _____ | Truck Washout (exempt waste)                |       |                                                                |  |
| Gas Plant Waste           | _____ |                                             |       |                                                                |  |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 0 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Flin KaiserDATE 7/27/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & Sons Trucking  
 Address BILT  
 Phone No. \_\_\_\_\_

Driver's Name Bryan R970  
 Phone No. \_\_\_\_\_  
 Truck No. #07  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 7/27/24DRIVER'S SIGNATURE Bryan R970

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|           |       |       |
|-----------|-------|-------|
| 1st Gauge | _____ | _____ |
| 2nd Gauge | _____ | _____ |
| Received  | _____ | _____ |

|                |       |          |       |
|----------------|-------|----------|-------|
| BS&W Received  | _____ | BS&W (%) | _____ |
| Free Water     | _____ |          |       |
| Total Received | _____ |          |       |

I hereby certify that the above load material has been (circle one):

(ACCEPTED)

DENIED

If denied, why?

NAME (PRINT) [Signature]DATE 7/27/24TITLE ArtSIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Preslan KreyerPhone No. 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342823

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Chilobad NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Red 11416County EdmiAPI No. 30-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. OCUS 11437

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>5elliv Dump</u>                                             |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin KruegerDATE 7/27/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name BRTAddress Black River Trucking

Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez

Phone No. \_\_\_\_\_

Truck No. 147WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 07/29/24DRIVER'S SIGNATURE Andres Rodriguez

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065-Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

Phone No. 432-448-4239

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE









## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Preston KakaPhone No. 575-746-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342822

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Carlsbad NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco well 1146-1County EdmAPI No. 30-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. OCUS 1103V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Kelly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin BarnerDATE 7/29/24SIGNATURE ATB

## TRANSPORTER

Transporter's Name Rico & SonsAddress BKI

Phone No. \_\_\_\_\_

Driver's Name Alonso Baraza

Phone No. \_\_\_\_\_

Truck No. 07

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 07-29-24DRIVER'S SIGNATURE A. Baraza

DELIVERY DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 711

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED 7/1/24DENIED NA

If denied, why? \_\_\_\_\_

NAME (PRINT) Elin BarnerDATE 7/1/24TITLE NASIGNATURE ATB





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Preslen KeiserPhone No. 575-211-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342821**

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Loma RdCity, State, Zip Carlsbad NM 88220Phone No. 575-987-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Ammon pool 11 cthCounty EddyAPI No. 30-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. BCUS 1703X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin BarrieraDATE 7/29/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Bryce Barney

Phone No. \_\_\_\_\_

Truck No. 145

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7/29/24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7/29/24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. [Signature]Site Name/ Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/29/24TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Reson KerePhone No. 575-216-2266

## GENERATOR

NO. 342492

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Tomas drCity, State, Zip Carlsbad NM 88220Phone No. 575-237-567

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red 11 dlb 1County El DoradoAPI No. 30-019-22975Rig Name & No. Cous 17038

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            |  | NON-INJECTABLE WATERS                       |  | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|--|---------------------------------------------|--|----------------------------------------------------------------|
|                           |  |                                             |  |                                                                |
| Oil Based Cuttings        |  | Washout Water (Non-Injectable)              |  |                                                                |
| Water Based Muds          |  | Completion Fluid/Flow Back (Non-Injectable) |  |                                                                |
| Water Based Cuttings      |  | Produced Water (Non-Injectable)             |  |                                                                |
| Produced Formation Solids |  | Gathering Line Water/Waste (Non-Injectable) |  |                                                                |
| Tank Bottoms              |  | INTERNAL USE ONLY                           |  |                                                                |
| E&P Contaminated Soil     |  | Truck Washout (exempt waste)                |  |                                                                |
| Gas Plant Waste           |  |                                             |  | <u>Kelly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 2 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE Flin KauerDATE 7/29/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & Son's TruckingAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Brayan ReroPhone No. #01

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/29/24DRIVER'S SIGNATURE Brayan R.7

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. [Signature]Site Name/ Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        |                |          |
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/29TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Reesh K. K.Phone No. 575-246-8866

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342494

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Albuquerque NM 87107Phone No. 575-887-5677

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Ammon Red 11461County EdwyAPI No. 50-015-22475Rig Name & No. CRUS 1103X

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Sally Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin RomeroDATE 7/29/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & Son's TruckingAddress Btt

Phone No. \_\_\_\_\_

Driver's Name Lois Gales

Phone No. \_\_\_\_\_

Truck No. #15

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/29/24DRIVER'S SIGNATURE Lois Gales

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/29/24TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Acadon KrausePhone No. 575-266-2266

## GENERATOR

NO. 342493

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas drCity, State, Zip Portland NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well Name & No. Amoco prod 11 albCounty EdgarAPI No. 30-015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. OCUS 1703X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elint SauerDATE 7/29/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River TruckingAddress 25 N. Alameda RDMalaga NM 88220

Phone No. \_\_\_\_\_

Driver's Name Joel Gomez

Phone No. \_\_\_\_\_

Truck No. 69

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 7-29-24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name: Arson KaiserPhone No: 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342495

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Chilmark, NH 08220Phone No. 575-887-5672

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red 11 c/bCounty EdinAPI No. 30-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. Drus 1703X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

CY-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elm KernerDATE 7/19/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River TruckingAddress 25 N. Nicholas RdPhone No. Malaga, NM  
575-445-2209Driver's Name Servando DominguezPhone No. 575-840-9053Truck No. 140WHP No. 6225

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-29-24DRIVER'S SIGNATURE Servando DominguezDELIVERY DATE 7-29-24DRIVER'S SIGNATURE Servando Dominguez

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) [Signature]DATE 7/29/24TITLE ArsonSIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

N.M.

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Picson KeiserPhone No. 575-766-7266

## GENERATOR

NO. 342818

Operator No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amco Prod Well 1County El DoradoAPI No. 30-015-22975Rig Name & No. N/AAFE/PO No. 1005 1103XOperators Name ChauronAddress 5301 Lomas RdCity, State, Zip Los Alamos NM 87700Phone No. 575-887-5670

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste)         |
|---------------------------|---------------------------------------------|------------------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              | Drilling - Water generated while drilling the well                     |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) | Initial Completion - Water generated during the initial completion     |
| Water Based Cuttings      | Produced Water (Non-Injectable)             | Production - Water generated during the production                     |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) | Commercial Facility - Water that is generated at a commercial facility |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                        |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | 15 cu yd Dunc                                                          |
| Gas Plant Waste           |                                             |                                                                        |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 76 B-BARRELS 76 Y-YARDS 76 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elm KellersDATE 7/29/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name BRTAddress Black River Trucking

Phone No. \_\_\_\_\_

Driver's Name Andres RodriguezPhone No. 147Truck No. 6275

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 07/29/24DRIVER'S SIGNATURE Andres Rodriguez

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES C

NO

Phone No. 432-448-4239

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |
|----------------|--|----------|
| BS&W Received  |  | BS&W (%) |
| Free Water     |  |          |
| Total Received |  |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED 7/29DENIED AN

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/29TITLE ANSIGNATURE [Signature]





WM

## TEXAS-NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Arslan KersyPhone No. 575-2762216

## GENERATOR

NO. 342802

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lamps rdCity, State, Zip Doylestown NM 88720Phone No. 575-887-5070

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoro pad 11 alb 1County EdmAPI No. 50-015-27975Rig Name & No. N 111AFE/PO No. Acus 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) 1

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)Flin Romero  
(PRINT) AUTHORIZED AGENTS SIGNATUREDATE 7/29/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Southern Empire LLCAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Luis RicoPhone No. #3

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-29-24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7-29-24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED [Signature]

DENIED

If denied, why? [Signature]

NAME (PRINT)

DATE

TITLE

SIGNATURE









## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Resha KeiserPhone No. 575-766-7766

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342806

Operator No. \_\_\_\_\_  
 Operators Name Chevron  
 Address 5301 Lomas Rd  
 City, State, Zip Northbrook NM 88270  
 Phone No. 575-887-5600

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco pool 11 cfb 1  
 County El Dorado  
 API No. 30-015-27475  
 Rig Name & No. 11/17  
 AFE/PO No. OCIS 1103Y

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Resha's Training B&B  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name Lois Walker  
 Phone No. \_\_\_\_\_  
 Truck No. #15  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/ Red Bluff Facility / STF-065  
 Permit No. 5053 US Hwy 285, Orla, TX 79770  
 Address

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Dustin KoberPhone No. 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342804

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Chisholm NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red 1101b1County FredAPI No. 30-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. OCIS 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Kelly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE F. Lin KoberDATE 7/29/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & Son's TruckingAddress 1301

Phone No. \_\_\_\_\_

Driver's Name Bryan RicoPhone No. #01

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/29/24DRIVER'S SIGNATURE Bryan R

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28Site Name/ Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/29/24TITLE [Signature]SIGNATURE [Signature]



R  
ENVIRON  
SO

New Mexico

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Company Man Contact Information

Name Arshad KarkerPhone No. 505-266-2216

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342805

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_  
 Oil Based Cuttings \_\_\_\_\_  
 Water Based Muds \_\_\_\_\_  
 Water Based Cuttings \_\_\_\_\_  
 Produced Formation Solids \_\_\_\_\_  
 Tank Bottoms \_\_\_\_\_  
 E&P Contaminated Soil \_\_\_\_\_  
 Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_  
 Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_  
 Produced Water (Non-Injectable) \_\_\_\_\_  
 Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity

Non-Exempt Other

\*please select from Non-Exempt Waste list on back

QUANTITY

B-BARRELS

( 20 ) Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. \_\_\_\_\_

Site Name/  
Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

dnnn@northstarforms.com

1111 000000

01 1111000000

Yellow 00000000

000 0000 000000





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Preslan KeiserPhone No. 575-266-9766

(PLEASE PRINT) \*REQUIRED INFORMATION\*

## GENERATOR

NO. 342825

Operator No. \_\_\_\_\_  
 Operators Name Arts Chevron  
 Address 5201 Lomas Rd  
 City, State, Zip Chisholm NM 88770  
 Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoro red 11 clb  
 County Edm  
 API No. 30.015-22975  
 Rig Name & No. W/P  
 AFE/PO No. UCUS 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Kelly Dunc</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 21 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
 Address 25 N. Alameda Ave  
 Phone No. 575-274-2309

Driver's Name Black River Trucking  
 Phone No. 575-274-2309  
 Truck No. 149  
 WHP No. 6225

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

| BS&W Received  | BS&W (%) |
|----------------|----------|
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arson KaseiPhone No. 575-266-2766

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342824

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Chilchabed NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco prod 11 elb 1County HidalgoAPI No. 30-015-22475Rig Name & No. 1/11AFE/PO No. OCUS 1703X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Drum</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Flin KoverDATE 7/29/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name BRTAddress Blanco River Trucking

Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez

Phone No. \_\_\_\_\_

Truck No. 147WHP No. 6273

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 07/29/24DRIVER'S SIGNATURE Andres Rodriguez

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 18

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

Phone No. 432-448-4239

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

| BS&W Received  | BS&W (%) |
|----------------|----------|
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED 5/29

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 5/29TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Dustin KeiserPhone No. 575-766-2266

## GENERATOR

NO. 342842

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Corpus Christi NM 78402Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red 11016-1County EddyAPI No. 30-019-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 0015 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Tim BarreraDATE 7/29/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Southern Empire LLCAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Luis RicoPhone No. #3

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-29-24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7-29-24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 18Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |
|----------------|--|----------|
| BS&W Received  |  | BS&W (%) |
| Free Water     |  |          |
| Total Received |  |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED [Signature]DENIED [Signature]If denied, why? [Signature]

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Picson KeenPhone No. 575-266-2266

## GENERATOR

NO. 342840

Operator No. \_\_\_\_\_ Permit/RRC No. \_\_\_\_\_  
 Operators Name Neuron Lease/Well \_\_\_\_\_  
 Address 5301 Lamps rd Name & No. Amoco Red 11 clb-1  
 City, State, Zip Carlsbad NM 88220 County Edmi  
 Phone No. 575-887-5670 API No. 50-015-22475  
 Rig Name & No. Orus 1.103X  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |       |                                             |       |                                                                |
|---------------------------|-------|---------------------------------------------|-------|----------------------------------------------------------------|
| Oil Based Muds            | _____ | NON-INJECTABLE WATERS                       | _____ | OTHER EXEMPT WASTES (type and generation process of the waste) |
| Oil Based Cuttings        | _____ | Washout Water (Non-Injectable)              | _____ |                                                                |
| Water Based Muds          | _____ | Completion Fluid/Flow Back (Non-Injectable) | _____ |                                                                |
| Water Based Cuttings      | _____ | Produced Water (Non-Injectable)             | _____ |                                                                |
| Produced Formation Solids | _____ | Gathering Line Water/Waste (Non-Injectable) | _____ |                                                                |
| Tank Bottoms              | _____ | INTERNAL USE ONLY                           | _____ |                                                                |
| E&P Contaminated Soil     | _____ | Truck Washout (exempt waste)                | _____ | <u>Belly Dump</u>                                              |
| Gas Plant Waste           | _____ |                                             |       |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (ICLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS \_\_\_\_\_ Y-YARDS 20 E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE Elin RomeroDATE 7/29/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & Sons Driver's Name Alonso Barrera  
 Address BRT Phone No. \_\_\_\_\_  
 Phone No. \_\_\_\_\_ Truck No. 04  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE A. BarreraDELIVERY DATE 07-29-24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/ Red Bluff Facility / STF-065 Phone No. 432-448-4239  
 Permit No. 5053 US Hwy 285, Orla, TX 79770  
 Address \_\_\_\_\_

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           |      |        |                |          |
|-----------|------|--------|----------------|----------|
| 1st Gauge | Feet | Inches | BS&W Received  | BS&W (%) |
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED 7/29/24DENIED [Signature]If denied, why? [Signature]NAME (PRINT) [Signature]DATE 7/29/24TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Ashton KeiserPhone No. 575-266-7266

## GENERATOR

NO. 342839

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Chilshad NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Ammon rd 110161County TNDHAPI No. 30-05-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. CRUS 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_  
 Oil Based Cuttings \_\_\_\_\_  
 Water Based Muds \_\_\_\_\_  
 Water Based Cuttings \_\_\_\_\_  
 Produced Formation Solids \_\_\_\_\_  
 Tank Bottoms \_\_\_\_\_  
 E&P Contaminated Soil \_\_\_\_\_  
 Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_  
 Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_  
 Produced Water (Non-Injectable) \_\_\_\_\_  
 Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin KariereDATE 7/29/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & Son's Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name LOIS Valles

Phone No. \_\_\_\_\_

Truck No. # 15

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 7-29-24DRIVER'S SIGNATURE LOIS Valles

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge \_\_\_\_\_  
 2nd Gauge \_\_\_\_\_  
 Received \_\_\_\_\_

BS&amp;W Received \_\_\_\_\_

BS&amp;W (%) \_\_\_\_\_

Free Water \_\_\_\_\_

Total Received \_\_\_\_\_

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? NoneNAME (PRINT) [Signature]DATE 7/29/24TITLE DriverSIGNATURE [Signature]





# TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Praslan KeiserPhone No. 575-266-2766

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

## GENERATOR

NO. 342838

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

### EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

#### NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

#### INTERNAL USE ONLY

Truck Washout (exempt waste)

#### OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

### NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

### TRUCK TIME STAMP

IN:

OUT:

### DISPOSAL FACILITY

RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Preston KeiselPhone No. 575-266-2266

## GENERATOR

NO. 342837

Operator No. \_\_\_\_\_  
 Operators Name Chevron  
 Address 5301 Lomas Rd  
 City, State, Zip Coalbrook NM 88720  
 Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco Red 11 clb  
 County Eddy  
 API No. 30-015-27475  
 Rig Name & No. N/A  
 AFE/PO No. CXUS 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Kelly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS (20 Y-YARDS) E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
 Address \_\_\_\_\_  
 Phone No. \_\_\_\_\_

Driver's Name Bryce Barney  
 Phone No. \_\_\_\_\_  
 Truck No. 145  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. JK

Site Name/  
Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|           |  |
|-----------|--|
| 1st Gauge |  |
| 2nd Gauge |  |
| Received  |  |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Picston KicePhone No. 575-266-2766

## GENERATOR

NO. 342834

Operator No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Operators Name Chevron

Lease/Well

Address 5301 Lomas RdName & No. Amoco Red 11 016 1City, State, Zip Carlsbad NM 88220County FddyPhone No. 575-887-5670API No. 30-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. Ocus 1003A

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS 20 Y-YARDS 20 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)Flin Barriere  
(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name BRTDriver's Name Andres RodriguezAddress Blanca River Trucking

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 141WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|           |  |  |
|-----------|--|--|
| 1st Gauge |  |  |
| 2nd Gauge |  |  |
| Received  |  |  |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





# TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arslan KeiserPhone No. 575-266-2744

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342836

Operator No.

Operators Name  
AddressCity, State, Zip  
Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

### EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

### NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

### INTERNAL USE ONLY

Truck Washout (exempt waste)

### OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

### NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

### TRUCK TIME STAMP

IN:

OUT:

### DISPOSAL FACILITY

### RECEIVING AREA

Name/No.

Site Name/  
Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Reslon KerecPhone No. 575-266-2766

## GENERATOR

NO. **342835**

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:



DRILLING



COMPLETION



PRODUCTION



GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

70 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENT'S SIGNATURE

DATE

SIGNATURE

Transporter's Name

Address

Phone No.

## TRANSPORTER

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: OUT:

Name/No.

Site Name/

Permit No.

Address

**Red Bluff Facility / STF-065****5053 US Hwy 285, Orla, TX 79770**

Phone No.

**432-448-4239**

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## -TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Company Man Contact Information

Name Rashid KoraPhone No. 575-746-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342815

Operator No. \_\_\_\_\_  
Operators Name Chevron  
Address 5301 Lomas dr  
City, State, Zip Northbrook NM 88220  
Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_  
Lease/Well Name & No. Amoco pad 114th 1  
County Edm  
API No. 30-015-22475  
Rig Name & No. W/P  
AFE/PO No. OCUS 1703X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |       |                                             |       |                                                                |       |
|---------------------------|-------|---------------------------------------------|-------|----------------------------------------------------------------|-------|
| Oil Based Muds            | _____ | NON-INJECTABLE WATERS                       | _____ | OTHER EXEMPT WASTES (type and generation process of the waste) | _____ |
| Oil Based Cuttings        | _____ | Washout Water (Non-Injectable)              | _____ |                                                                |       |
| Water Based Muds          | _____ | Completion Fluid/Flow Back (Non-Injectable) | _____ |                                                                |       |
| Water Based Cuttings      | _____ | Produced Water (Non-Injectable)             | _____ |                                                                |       |
| Produced Formation Solids | _____ | Gathering Line Water/Waste (Non-Injectable) | _____ |                                                                |       |
| Tank Bottoms              | _____ | INTERNAL USE ONLY                           | _____ |                                                                |       |
| E&P Contaminated Soil     | _____ | Truck Washout (exempt waste)                | _____ |                                                                |       |
| Gas Plant Waste           | _____ |                                             |       |                                                                |       |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE Elin BuergerDATE 7/27/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Bin & Sons Trucking  
Address \_\_\_\_\_  
Phone No. \_\_\_\_\_

Driver's Name Lois Waller  
Phone No. \_\_\_\_\_  
Truck No. # 15  
WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7-29-24DRIVER'S SIGNATURE Lois Waller

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 78

Site Name/ Permit No. Red Bluff Facility / STF-065  
Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           |      |        |                |          |
|-----------|------|--------|----------------|----------|
| 1st Gauge | Feet | Inches | BS&W Received  | BS&W (%) |
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) \_\_\_\_\_

DATE \_\_\_\_\_

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Presley KeiserPhone No. 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342826

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:



DRILLING



COMPLETION



PRODUCTION



GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

D-Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE









New Mexico

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Dorson KaiserPhone No. 575-266-2211

## GENERATOR

NO. 342832

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:



DRILLING



COMPLETION



PRODUCTION



GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Presha KarselPhone No 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342831

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

Chaton  
5301 Lomas Rd  
Irishland NM 88220  
575-887-5670

Amoco red 11 cfb  
Ford  
30-05-22475  
UCUS 1703Y

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

Transporter's

Name

Address

Phone No.

## TRANSPORTER

Driver's Name

Phone No.

Truck No.

WHP No.

Black River Trucking25 N. Alachua RdMalaga, FL575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309575-445-2309

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

7-29-24 Servando Dominguez 6-29-24 Servando Dominguez

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 20

Site Name/

Permit No.

Address

Red Bluff Facility / STF-0655053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Priscilla KiserPhone No. 575-746-7260

## GENERATOR

NO. 342830

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lamps rdCity, State, Zip Northbrook NM 88210Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red northCounty EddyAPI No. 6-015-22979

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. OCUS 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 21 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)Flin Barrier  
(PRINT) AUTHORIZED AGENTS SIGNATURE7/29/24  
DATE[Signature]  
SIGNATURE

## TRANSPORTER

Transporter's Name BRT

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez

Phone No. \_\_\_\_\_

Truck No. 6273 147

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 07/29/24DRIVER'S SIGNATURE Andres Rodriguez

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 78

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) [Signature]DATE 7/29TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Rashon KerecPhone No. 575-266-7766

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342807**

Operator No. \_\_\_\_\_  
 Operators Name Chevron  
 Address 5301 LAMOS RD  
Carlsbad NM 88220  
 City, State, Zip  
 Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco Prod 11-04b  
 County Hidalgo  
 API No. 33-018-22475  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. 0005 W03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS 20 Y-YARDS \_\_\_\_\_ E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
 Address 25 N. Alameda NW  
Midvale NM 88203  
 Phone No. \_\_\_\_\_

Driver's Name Joel Gomez  
 Phone No. \_\_\_\_\_  
 Truck No. 67  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☐

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|           |  |  |
|-----------|--|--|
| 1st Gauge |  |  |
| 2nd Gauge |  |  |
| Received  |  |  |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED 5/24/25DENIED AdamIf denied, why? Amo

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Arcelia KansaPhone No. 575-266-2246

## GENERATOR

NO. 342869

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Loomis RdCity, State, Zip Garland NM 88720Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well Name & No. Amoco well 11 c/b 1County FieldAPI No. 30-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. CICUS 1.103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Kelly Dmp</u>                                               |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINESNON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Flin KansaDATE 7/30/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & Sons Trucking BRL

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Luis WalkerPhone No. 11 19

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/30/24DRIVER'S SIGNATURE Luis Walker

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN: \_\_\_\_\_

OUT: P360 CBADName/No. 28Site Name/Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/30

TITLE \_\_\_\_\_

SIGNATURE [Signature]





## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Picston KelseyPhone No. 575-266-2266

## GENERATOR

NO. HW-695337

Generator Manifest # \_\_\_\_\_  
 Generator Name Chevron  
 Address 5301 Lamps Rd  
 City, State, Zip Carlsbad NM 88220  
 Phone No. 505-887-5670

Location of Origin  
 Lease/Well Name & No. Amoco Red 11 c/b  
 County Eddy  
 API No. 30-015-22475  
 Rig Name & No. Ocus 1703X  
 AFE/PO No. \_\_\_\_\_

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| NON-INJECTABLE WATERS                        |       | OTHER EXEMPT E&P WASTE STREAMS              |                  |
|----------------------------------------------|-------|---------------------------------------------|------------------|
| Oil Based Muds                               | _____ | Washout Water (Non-Injectable)              | _____            |
| Oil Based Cuttings                           | _____ | Completion Fluid/Flow Back (Non-Injectable) | _____            |
| Waste Based Muds                             | _____ | Produced Water (Non-Injectable)             | _____            |
| Water Based Cuttings                         | _____ | Gathering Line Water/Waste (Non-Injectable) | _____            |
| Produced Formation Solids                    | _____ |                                             |                  |
| Tank Bottoms                                 | _____ | <u>Sellv Dump</u>                           |                  |
| E&P Contaminated Soil                        | _____ | INTERNAL USE ONLY                           |                  |
| Gas Plant Waste                              | _____ | TOP SOIL & CALICHE SALES                    |                  |
| Truck Washout (exempt waste) YES <u>(NO)</u> |       | QUANTITY                                    | TOP SOIL CALICHE |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Elin Barriere  
(PRINT) AUTHORIZED AGENTS SIGNATURE7/30/24  
DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking  
 Address 25 Nicholas Rd  
 Phone No. Malaga NM  
 Transporter Ticket # 231876

Driver's Name Servando Dominguez  
 Print Name \_\_\_\_\_  
 Phone No. 575-840-9053  
 Truck No. 149

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

7-30-24 Servando Dominguez  
SHIPMENT DATE DRIVER'S SIGNATURE7-30-24 Servando Dominguez  
DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. 28

Site Name/ Permit No. Halfway Facility / NM1-006  
 Address 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-392-6368

NORM READINGS TAKEN? (Circle One) YES (NO)  
 PASS THE PAINT FILTER TEST? (Circle One) YES (NO)

If YES, was reading > 50 micro roentgens? (Circle One) YES (NO)

## TANK BOTTOMS

| Feet      | Inches | BS&W/BBLs Received | BS&W (%) |
|-----------|--------|--------------------|----------|
| 1st Gauge |        |                    |          |
| 2nd Gauge |        | Free Water         |          |
| Received  |        | Total Received     |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

C-138

donc@northstarforms.com (877)499-0492

White - R360 ORIGINAL

Yellow - TRANSPORTER COPY

Pink - GENERATOR SITE COPY

Gold - RETURN TO GENERATOR

308.R360-5240LE rev 08/23





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Reson KereyPhone No. 75-266-2266

## GENERATOR

NO. **342871**

Operator No. \_\_\_\_\_  
 Operators Name Chevron  
 Address 5301 Lomas rd  
 City, State, Zip Orishad NM 88220  
 Phone No. 575-887-9770

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco red 11 alb-1  
 County Adair  
 API No. 30-06-22475  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. Orus 1103X

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| OIL BASED MUDS                                     | NON-INJECTABLE WATERS                             | OTHER EXEMPT WASTES (type and generation process of the waste) |
|----------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------|
| <input type="checkbox"/> Oil Based Cuttings        | Washout Water (Non-Injectable) _____              |                                                                |
| <input type="checkbox"/> Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) _____ |                                                                |
| <input type="checkbox"/> Water Based Cuttings      | Produced Water (Non-Injectable) _____             |                                                                |
| <input type="checkbox"/> Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) _____ |                                                                |
| <input type="checkbox"/> Tank Bottoms              | INTERNAL USE ONLY _____                           |                                                                |
| <input type="checkbox"/> E&P Contaminated Soil     | Truck Washout (exempt waste) _____                | <u>Belly Dump</u>                                              |
| <input type="checkbox"/> Gas Plant Waste           |                                                   |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 70 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin KereyDATE 7/20/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & Sons  
 Address BRT  
 Phone No. \_\_\_\_\_

Driver's Name Alonso Barrera  
 Phone No. \_\_\_\_\_  
 Truck No. 07  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE A. BarreraDELIVERY DATE 07-30-24

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA 28

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. \_\_\_\_\_

Facility Name/Permit No. Red Bluff Facility - STF-065-  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

| Guage   | Feet | Inches | BS&W Received  | BS&W (%) |
|---------|------|--------|----------------|----------|
| 1 Guage |      |        | Free Water     |          |
| 2 Guage |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) [Signature]DATE 7/20/24TITLE [Signature]SIGNATURE [Signature]









## NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Preston KiserPhone No. 575-266-2266

## GENERATOR

NO. HW-695336

Generator Manifest # \_\_\_\_\_

Generator Name ChivianAddress 5301 LampsCity, State, Zip Carlsbad NM 88220Phone No. 575-897-5670

Location of Origin

Lease/Well

Name & No. Amoco prod well 1County EdmAPI No. 37-015-27975Rig Name & No. CRUS 1103X

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           | NON-INJECTABLE WATERS                       |  | OTHER EXEMPT E&P WASTE STREAMS |  |
|---------------------------|---------------------------------------------|--|--------------------------------|--|
|                           | Washout Water (Non-Injectable)              |  |                                |  |
| Oil Based Muds            | Completion Fluid/Flow Back (Non-Injectable) |  |                                |  |
| Oil Based Cuttings        | Produced Water (Non-Injectable)             |  |                                |  |
| Waste Based Muds          | Gathering Line Water/Waste (Non-Injectable) |  |                                |  |
| Water Based Cuttings      |                                             |  |                                |  |
| Produced Formation Solids |                                             |  |                                |  |
| Tank Bottoms              |                                             |  |                                |  |
| E&P Contaminated Soil     |                                             |  |                                |  |
| Gas Plant Waste           |                                             |  |                                |  |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

DISPOSAL QUANTITY

B - BARRELS

L - LIQUID

20 Y - YARDS

E - EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS SIGNATURE T. H. BouvierDATE 7/30/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Southern Empire LLCAddress BRT

Phone No. \_\_\_\_\_

Transporter Ticket # \_\_\_\_\_

Driver's Name Luis Rico

Print Name \_\_\_\_\_

Phone No. #3

Truck No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-30-24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7-30-24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. \_\_\_\_\_

Address Halfway Facility / NM1-0066601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-392-6368NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NOPASS THE PAINT FILTER TEST? (Circle One) YES NO

## TANK BOTTOMS

Feet

Inches

|           |  |  |
|-----------|--|--|
| 1st Gauge |  |  |
| 2nd Gauge |  |  |
| Received  |  |  |

|                    |  |          |  |
|--------------------|--|----------|--|
| BS&W/BBLs Received |  | BS&W (%) |  |
| Free Water         |  |          |  |
| Total Received     |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED [Signature]DENIED [Signature]If denied, why? [Signature]NAME (PRINT) [Signature]DATE [Signature]TITLE [Signature]SIGNATURE [Signature]

C-138

donc@northstarforms.com (877)499-0492

White - R360 ORIGINAL

Yellow - TRANSPORTER COPY

Pink - GENERATOR SITE COPY

Gold - RETURN TO GENERATOR

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## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Preston KiserPhone No. 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342841

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN:

OUT:

Name/No.

Site Name/  
Permit No.Red Bluff Facility / STF-065

Phone No.

432-448-4239

Address

5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Arshin KelsenPhone No. 575-766-2266

## GENERATOR

NO. 342810

Operator No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Operators Name Chevron

Lease/Well \_\_\_\_\_

Address 5301 Lomas RdName & No. Amoco Red 11 Alb 1City, State, Zip Carlsbad NM 88220County EchilPhone No. 575-887-9670API No. 30-015-22 975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. Orus 17 03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS 20 Y-YARDS 20 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Flin KelsenDATE 7/30/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico Fenns Trucking BRTDriver's Name Lois Vales

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. # 19

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/30/24DRIVER'S SIGNATURE Lois Vales

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/ Permit No. Red Bluff Facility / STF-065Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|           |  |  |
|-----------|--|--|
| 1st Gauge |  |  |
| 2nd Gauge |  |  |
| Received  |  |  |

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) [Signature]DATE 7/30/24TITLE AdmSIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arson KeiserPhone No. 575-766-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342851

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas rdCity, State, Zip Carlsbad NM 88270Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red 11 cfbCounty EdmAPI No. 30-015-27475Rig Name & No. CRUS 1103X

AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin SerranoDATE 7/30/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico's Sons Trucking Br

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Lois Miller

Phone No. \_\_\_\_\_

Truck No. #19

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/30/24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/30TITLE [Signature]SIGNATURE [Signature]donec@northstarforms.com  
(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160R

(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160R





(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Phone No. 575-266-2264

**GENERATOR**

NO. 342490

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

**EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)**

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

**NON-INJECTABLE WATERS**

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

**INTERNAL USE ONLY**

Truck Washout (exempt waste)

**OTHER EXEMPT WASTES (type and generation process of the waste)**

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES**NON-EXEMPT E&P Waste/Service Identification and Amount**

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

**TRANSPORTER**

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

**TRUCK TIME STAMP****DISPOSAL FACILITY****RECEIVING AREA**

IN:

OUT:

Name/No.

Site Name/  
Permit No.Red Bluff Facility / STF-065  
5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

Address

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

**TANK BOTTOMS**

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

donc@northstarforms.com  
(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160R

donc@northstarforms.com  
(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160R





# TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Dreslan KeiserPhone No. 575-266-2266

## GENERATOR

NO. 342811

Operator No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Operators Name Chevron

Lease/Well \_\_\_\_\_

Address 5301 Lomas RdName & No. Amoco prod 11 of 10-1City, State, Zip Carlsbad NM 88220County CurryPhone No. 575-887-5670API No. 30-015-22475Rig Name & No. CRIS 1.103X

AFE/PO No. \_\_\_\_\_

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINESNON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 70 B-BARRELS 20 Y-YARDS 20 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elm BarriereDATE 7/30/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & SonsDriver's Name Alonso BarrazaAddress BKT

Phone No. \_\_\_\_\_

Phone No. \_\_\_\_\_

Truck No. 07

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7/30/24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 07-30-24

DRIVER'S SIGNATURE \_\_\_\_\_

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA 28

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

Name/No. [Signature]Site Name/Permit No. Red Bluff Facility / STF-065Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

| 1st Gauge | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? [Signature]NAME (PRINT) [Signature]DATE 7/30/24TITLE [Signature]SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Dustin KeiserPhone No. 575-266-2266

## GENERATOR

NO. 342844

Operator No.

Operators Name ChevronAddress 5301 Lomas rdCity, State, Zip Carlsbad NM 88220Phone No. 575-887-5670

Permit/RRC No.

Lease/Well

Name & No. Amoco prod 11c4bCounty EddyAPI No. 30-015-27975Rig Name & No. Ocus 1103X

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

|                           |  |                                             |  |                                                                |
|---------------------------|--|---------------------------------------------|--|----------------------------------------------------------------|
| Oil Based Muds            |  | NON-INJECTABLE WATERS                       |  | OTHER EXEMPT WASTES (type and generation process of the waste) |
| Oil Based Cuttings        |  | Washout Water (Non-Injectable)              |  |                                                                |
| Water Based Muds          |  | Completion Fluid/Flow Back (Non-Injectable) |  |                                                                |
| Water Based Cuttings      |  | Produced Water (Non-Injectable)             |  |                                                                |
| Produced Formation Solids |  | Gathering Line Water/Waste (Non-Injectable) |  |                                                                |
| Tank Bottoms              |  | INTERNAL USE ONLY                           |  |                                                                |
| E&P Contaminated Soil     |  | Truck Washout (exempt waste)                |  | <u>Ball Dump</u>                                               |
| Gas Plant Waste           |  |                                             |  |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin E. BermanDATE 7/30/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico's Transporting BRT

Address

Phone No.

Driver's Name Luis MillerPhone No. #19

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 7/30/24DRIVER'S SIGNATURE Luis Miller

## TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

RECEIVING AREA 20

Name/No.

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) Elin E. BermanDATE 7/30/24TITLE AnnSIGNATURE [Signature]





(PLEASE PRINT)

REQUIRED INFORMATION

Phone No. 575-266-2266

## GENERATOR

NO. 342854

Operator No. \_\_\_\_\_  
 Operators Name Chevron  
 Address 5301 Lomas rd  
 City, State, Zip Carlsbad NM 88270  
 Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco red 11016-1  
 County El Paso  
 API No. 37-015-22475  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. OCUS 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Elin Borrero  
 (PRINT) AUTHORIZED AGENTS SIGNATURE

7/30/24  
 DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Rico & Sons  
 Address BKT  
 Phone No. \_\_\_\_\_

Driver's Name Alonso Barrera  
 Phone No. \_\_\_\_\_  
 Truck No. 07  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge \_\_\_\_\_ Feet \_\_\_\_\_ Inches \_\_\_\_\_  
 2nd Gauge \_\_\_\_\_  
 Received \_\_\_\_\_

| BS&W Received  | BS&W (%) |
|----------------|----------|
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

donec@northstarforms.com  
 (877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160R

donec@northstarforms.com  
 (877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160R





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Preslon KerseyPhone No. 575-286-2266

## GENERATOR

NO. 342852

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas rdCity, State, Zip Carlsbad NM 88220Phone No. 575-887-5676

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red 11 clb-1County EdmAPI No. 43-015-2245

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. OCUS 1.103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)Flin Barner

(PRINT) AUTHORIZED AGENTS SIGNATURE

7/30/24

DATE

[Signature]

SIGNATURE

## TRANSPORTER

Transporter's Name

Rico & Sons

Address

ORT

Phone No. \_\_\_\_\_

Driver's Name

Phone No. \_\_\_\_\_

Truck No. 0 +

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE









## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Dreslan KerscyPhone No. 575-266-2266

## GENERATOR

NO. **342809**

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Chisholm NM 88770Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Ammon pad 11 o4b-1County ElddyAPI No. 30-015-27975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 1105 1303X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>5ellu Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS \_\_\_\_\_ Y-YARDS 20 E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Hlin KerscyDATE 7/30/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & Son's TruckingAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Bryan Rato

Phone No. \_\_\_\_\_

Truck No. #17

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/30/24DRIVER'S SIGNATURE Bryan R 7

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA 28

Name/No. \_\_\_\_\_

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/30/24TITLE AmSIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Aeshn KerciPhone No. 575-246-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342808

Operator No. \_\_\_\_\_  
 Operators Name Chevron  
 Address 5301 Lomas dr  
 City, State, Zip Corpus Christi, TX 78412  
 Phone No. 575-887-3670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco Red 11 C (b)  
 County Edwards  
 API No. 30-015-22975  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. 0015 1703X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Kelly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Rico & Son's Trucking  
 Address BLT  
 Phone No. \_\_\_\_\_

Driver's Name Brayan R270  
 Phone No. \_\_\_\_\_  
 Truck No. #11  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. \_\_\_\_\_

Facility Name/Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES NOIf YES, was reading > 50 micro roentgens? (Circle One) YES NO  
NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

| Feet | Inches | BS&W Received | Free Water | Total Received | BS&W (%) |
|------|--------|---------------|------------|----------------|----------|
|      |        |               |            |                |          |
|      |        |               |            |                |          |
|      |        |               |            |                |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arden KelsciPhone No. 575-266-2260

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. **342853**

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas rdCity, State, Zip Corlinda NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amor red 1101b-1County EddyAPI No. 30-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. OCUS 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS 20 Y-YARDS 20 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin BarreraDATE 7/30/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Rico & Sons TruckingAddress 15PT

Phone No. \_\_\_\_\_

Driver's Name Brayan Raza

Phone No. \_\_\_\_\_

Truck No. #97

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7/30/24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. [Signature]

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) [Signature]DATE 7/30TITLE [Signature]SIGNATURE [Signature]starforms.com  
J492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

308.R360-5160R

donc@northstarforms.com  
(877) 400 0400

White - ORIGINAL

Blue - TRANSPORTER





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Resha KiserPhone No. 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342828

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Arcan KiseiPhone No. 575-766-2766

## GENERATOR

NO. 342848

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Northland NM 88270Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Red 11-16-1County AdairAPI No. 30-015-22975Rig Name & No. Cirus 1J03X

AFE/PO No. \_\_\_\_\_

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Kelly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY \_\_\_\_\_ B-BARRELS \_\_\_\_\_ Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Elin Kruierc

(PRINT) AUTHORIZED AGENT'S SIGNATURE

7/30/24

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name Southern Empire LLCAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Luis RicoPhone No. #3

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7-30-24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA 28

Name/No. \_\_\_\_\_

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED 7/30/24DENIED AmIf denied, why? Am

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Name Preslon KeiserPhone No 575-266-2266

## GENERATOR

NO. 342858

Operator No. \_\_\_\_\_

Permit/RRC No. \_\_\_\_\_

Operators Name Chevron

Lease/Well

Address 5301 Lomas RdName & No. Amoco prod well 1City, State, Zip Chilhood NMCounty ElddyPhone No. 505-887-5670API No. 30-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. OCUS 1103X

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 26 B-BARRELS 26 Y-YARDS 26 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Tim BortnerDATE 7/30/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's

Name Southern Empire LLCAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Luis RicoPhone No. #3

Truck No. \_\_\_\_\_

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-30-24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7-30-24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. [Signature]

Site Name/

Red Bluff Facility / STF-065

Permit No. \_\_\_\_\_

Phone No. 432-448-4239Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|           |  |  |
|-----------|--|--|
| 1st Gauge |  |  |
| 2nd Gauge |  |  |
| Received  |  |  |

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/30

TITLE \_\_\_\_\_

SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Preston KerseiPhone No. 575-766-2766

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342817

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas rdCity, State, Zip Christman NM 88270Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Ammon rd 11461County EdmAPI No. 30-015-27475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. Circus 1.103V

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Belly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 9 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin BarriereDATE 7/30/24SIGNATURE BT

## TRANSPORTER

Transporter's Name Southern Empire LLCAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Luis Rico

Phone No. \_\_\_\_\_

Truck No. #3

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE \_\_\_\_\_

DELIVERY DATE 7-30-24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

/RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

|           |  |  |
|-----------|--|--|
| 1st Gauge |  |  |
| 2nd Gauge |  |  |
| Received  |  |  |

|                |  |          |  |
|----------------|--|----------|--|
| BS&W Received  |  | BS&W (%) |  |
| Free Water     |  |          |  |
| Total Received |  |          |  |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) BTDATE 7/30/24

TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_





## TEXAS-NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Prison KiserPhone No. 575-266-2260

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342827

Operator No. \_\_\_\_\_

Operators Name ChavonAddress 5301 Lomas RdCity, State, Zip Chisholm NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well Name & No. Amoco Red BluffCounty AdairAPI No. 50-015-22975Rig Name & No. 30AFE/PO No. OCUS-1103X

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Kelly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Flin KiserDATE 7/30/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Southern Empire LLCAddress BRT

Phone No. \_\_\_\_\_

Driver's Name Luis Rico

Phone No. \_\_\_\_\_

Truck No. #3

WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE \_\_\_\_\_

DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7-30-24

DRIVER'S SIGNATURE \_\_\_\_\_

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 29

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/30/24TITLE AsstSIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) \*REQUIRED INFORMATION\*

Name Preston Keiser

Phone No. 575-266-7266

## GENERATOR

NO. 342846

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINESNON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





New Mexico

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Arson KekerPhone No. 575-266-7216

## GENERATOR

NO. 342843

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINESNON-EXEMPT E&P Waste/Service Identification and Amount  
All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

26 YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

Transporter's Name

Address

Phone No.

## TRANSPORTER

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN:

OUT:

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

BS&amp;W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Preslon KaiseiPhone No. 575-266-2266

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342855

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5501 Lomas RdCity, State, Zip Garland NM 88270Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red 11 clbCounty ddyAPI No. 30-015-22475

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. OCUS 1203X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)Flin Barrera  
(PRINT) AUTHORIZED AGENTS SIGNATURE7/30/24  
DATE[Signature]  
SIGNATURE

## TRANSPORTER

Transporter's Name Black River TruckingAddress 25 Nicholas RdPhone No. malaga NM  
575-745-2309Driver's Name Servando DominguezPhone No. 575-840-9053Truck No. 149WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

7-30-24 Servando Dominguez  
SHIPMENT DATE DRIVER'S SIGNATURE7-30-24 Servando Dominguez  
DELIVERY DATE DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA 28

Name/No. \_\_\_\_\_

Site Name/  
Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        | Free Water     |          |
| 2nd Gauge |      |        | Total Received |          |
| Received  |      |        |                |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

[Signature]  
NAME (PRINT)7/30/24  
DATE[Signature]  
TITLE[Signature]  
SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Deshaun KeesPhone No. 575-266-2266

## GENERATOR

NO. 342501

Operator No. \_\_\_\_\_  
 Operators Name Chevron  
 Address 5301 Tomas Rd  
Oilfield N.M. 88422  
 City, State, Zip  
 Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco Prod 11 c/b  
 County Echir  
 API No. 30-015-22975  
 Rig Name & No. ACUS 1.103X  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                |                                                                |
| Gas Plant Waste           |                                             | <u>Kelly Dump</u>                                              |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 2 Y-YARDS \_\_\_\_\_ E-EACH \_\_\_\_\_

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE Elin RomeroDATE 7/30/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River Trucking  
 Address 25 Nicholas Rd  
Malaga NM  
 Phone No. 575-745-2309

Driver's Name Servando Dominguez  
 Phone No. 575-840-9053  
 Truck No. 149  
 WHP No. 6285

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7-30-24DRIVER'S SIGNATURE Servando DominguezDELIVERY DATE 7-30-24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. [Signature]

Site Name/ Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒If YES, was reading > 50 micro roentgens? (Circle One) YES ☐ NO ☒

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches |
|-----------|------|--------|
| 1st Gauge |      |        |
| 2nd Gauge |      |        |
| Received  |      |        |

| BS&W Received  | BS&W (%) |
|----------------|----------|
| Free Water     |          |
| Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED [Signature]DENIED [Signature]

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/30/24

TITLE \_\_\_\_\_

SIGNATURE [Signature]





*New Mexico*  
TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Arslan KiciPhone No. 575-266-2266

## GENERATOR

NO. 342812

Operator No.

Operators Name ChevronAddress 5301 Lomas rdCity, State, Zip Albuquerque NM 87102Phone No. 575-887-5670

Permit/RRC No.

Lease/Well

Name & No. Amoco red 11 dbCounty SandozAPI No. 30-015-27475Rig Name & No. Chris 1703X

AFE/PO No.

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

OTHER EXEMPT WASTES (type and generation process of the waste)

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elm RomeroDATE 7/30/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River Trucking

Address

Phone No.

Driver's Name Bryce BarneyPhone No. 145Truck No. 145

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7/30/24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7/30/24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN:

OUT:

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





NEW 1/12/10

## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Araceli KerePhone No. 515-266-2261

## GENERATOR

NO. 342850

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Corliss NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco red 11 c-16County FCOAPI No. 30-015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS 20 Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin BarriereDATE 7/30/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name Black River Trucking

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Bryre Barney

Phone No. \_\_\_\_\_

Truck No. 145

WHF No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 7/30/24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7/30/24DRIVER'S SIGNATURE [Signature]

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28Site Name/ Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received  | BS&W (%) |
|-----------|------|--------|----------------|----------|
| 1st Gauge |      |        |                |          |
| 2nd Gauge |      |        | Free Water     |          |
| Received  |      |        | Total Received |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED [Signature]DENIED [Signature]

If denied, why? \_\_\_\_\_

NAME (PRINT) [Signature]DATE 7/30/24TITLE ADSIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Picston KeiserPhone No. 575-266-2266

## GENERATOR

NO. 342857

Operator No. \_\_\_\_\_ Permit/RRC No. \_\_\_\_\_  
 Operators Name Chevron Lease/Well Amoco pool 11 c/b 1  
 Address 5301 Lamps rd County Levy  
 City, State, Zip Orlando NM 8720 API No. 30-015-22475  
 Phone No. 575-887-5670 Rig Name & No. Oris 1703X 1/A  
 AFE/PO No. \_\_\_\_\_

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Belly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY B-BARRELS (20) Y-YARDS E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Elin Kerner 7/30/24 [Signature]  
 (PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

## TRANSPORTER

Transporter's Name Black River Trucking Driver's Name Bryce Barney  
 Address \_\_\_\_\_ Phone No. \_\_\_\_\_  
 Phone No. \_\_\_\_\_ Truck No. 145  
 WHP No. \_\_\_\_\_

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

11/30/24 [Signature] 11/30/24 [Signature]  
 SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Site Name/ Red Bluff Facility - STF-065 Phone No. 432-448-4239  
 Permit No. 5053 US Hwy 285, Orla, TX 79770  
 Address Halfway NM

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

[Signature] 7/30 [Signature]  
 NAME (PRINT) DATE TITLE SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Preston KelseyPhone No. 575-266-2266

## GENERATOR

NO. **342849**

Operator No. \_\_\_\_\_  
 Operators Name Chevron  
 Address 5301 Lomas rd  
 City, State, Zip Carlsbad NM 88220  
 Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_  
 Lease/Well Name & No. Amoco red 11 clb 1  
 County Eddy  
 API No. 30-015-22475  
 Rig Name & No. \_\_\_\_\_  
 AFE/PO No. CICUS 1J03X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

| Oil Based Muds            | NON-INJECTABLE WATERS                       | OTHER EXEMPT WASTES (type and generation process of the waste) |
|---------------------------|---------------------------------------------|----------------------------------------------------------------|
| Oil Based Cuttings        | Washout Water (Non-Injectable)              |                                                                |
| Water Based Muds          | Completion Fluid/Flow Back (Non-Injectable) |                                                                |
| Water Based Cuttings      | Produced Water (Non-Injectable)             |                                                                |
| Produced Formation Solids | Gathering Line Water/Waste (Non-Injectable) |                                                                |
| Tank Bottoms              | INTERNAL USE ONLY                           |                                                                |
| E&P Contaminated Soil     | Truck Washout (exempt waste)                | <u>Kelly Dump</u>                                              |
| Gas Plant Waste           |                                             |                                                                |

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☒ PRODUCTION ☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_ \*please select from Non-Exempt Waste List on back

QUANTITY 20 B-BARRELS 20 Y-YARDS 20 E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENT'S SIGNATURE Elin R. Rios

DATE

SIGNATURE

## TRANSPORTER

Transporter's Name BRT  
 Address Black River Trucking  
 Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez  
 Phone No. \_\_\_\_\_  
 Truck No. 147  
 WHP No. 6775

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA 28

Name/No. \_\_\_\_\_

Site Name/Permit No. Red Bluff Facility / STF-065  
 Address 5053 US Hwy 285, Orla, TX 79770

Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

|           | Feet | Inches | BS&W Received | BS&W (%) |
|-----------|------|--------|---------------|----------|
| 1st Gauge |      |        |               |          |
| 2nd Gauge |      |        |               |          |
| Received  |      |        |               |          |

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) Elin R. RiosDATE 7/30/24TITLE AndresSIGNATURE Andres Rodriguez





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Picson KaiserPhone No. 575-226-2260

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342856

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Carlsbad NM 88220Phone No. 575-887-5670

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Red 11 Alb 1County LeaAPI No. 30-015-22415Rig Name & No. Chus 1303X

AFE/PO No. \_\_\_\_\_

EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&amp;P Contaminated Soil \_\_\_\_\_

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Flin SoruereDATE 7/30/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name BRT

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez

Phone No. \_\_\_\_\_

Truck No. 147WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 07/30/24DRIVER'S SIGNATURE Andres Rodriguez

## TRUCK TIME STAMP

IN: \_\_\_\_\_

OUT: \_\_\_\_\_

## DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28Site Name/ Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT) S. ZuerDATE 7/30/24TITLE AA-1SIGNATURE [Signature]





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name: Arden KaiserPhone No: 579-266-7200

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

## GENERATOR

NO. 342829

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name &amp; No.

County

API No.

Rig Name &amp; No.

AFE/PO No.

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds

Oil Based Cuttings

Water Based Muds

Water Based Cuttings

Produced Formation Solids

Tank Bottoms

E&amp;P Contaminated Soil

Gas Plant Waste

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable)

Completion Fluid/Flow Back (Non-Injectable)

Produced Water (Non-Injectable)

Gathering Line Water/Waste (Non-Injectable)

## INTERNAL USE ONLY

Truck Washout (exempt waste)

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operation and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

## TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

## TRUCK TIME STAMP

## DISPOSAL FACILITY

## RECEIVING AREA

IN:

OUT:

Name/No.

Site Name/

Permit No.

Address

Red Bluff Facility / STF-065

5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

## TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE





## TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

\*REQUIRED INFORMATION\*

Company Man Contact Information

Name Orlando KarselPhone No. 575-966-7766

## GENERATOR

NO. **342813**

Operator No. \_\_\_\_\_

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Chihuahua NM 88220Phone No. 575-887-570

Permit/RRC No. \_\_\_\_\_

Lease/Well \_\_\_\_\_

Name & No. Amoco Red 11 clb 1County El PasoAPI No. 30-015-22975

Rig Name &amp; No. \_\_\_\_\_

AFE/PO No. Acus 1103X

## EXEMPT E&amp;P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds \_\_\_\_\_

Oil Based Cuttings \_\_\_\_\_

Water Based Muds \_\_\_\_\_

Water Based Cuttings \_\_\_\_\_

Produced Formation Solids \_\_\_\_\_

Tank Bottoms \_\_\_\_\_

E&P Contaminated Soil ☒

Gas Plant Waste \_\_\_\_\_

## NON-INJECTABLE WATERS

Washout Water (Non-Injectable) \_\_\_\_\_

Completion Fluid/Flow Back (Non-Injectable) \_\_\_\_\_

Produced Water (Non-Injectable) \_\_\_\_\_

Gathering Line Water/Waste (Non-Injectable) \_\_\_\_\_

## INTERNAL USE ONLY

Truck Washout (exempt waste) \_\_\_\_\_

## OTHER EXEMPT WASTES (type and generation process of the waste)

Belly Dump

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☒ PRODUCTION☐ GATHERING LINES

## NON-EXEMPT E&amp;P Waste/Service Identification and Amount

All non-exempt E&amp;P waste must be analysed and be below threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other \_\_\_\_\_

\*please select from Non-Exempt Waste List on back

QUANTITY

B-BARRELS

20 Y-YARDS

E-EACH

I hereby certify that the above listed material(s), is (are) not hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin KarselDATE 7/30/24SIGNATURE [Signature]

## TRANSPORTER

Transporter's Name BRT

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Driver's Name Andres Rodriguez

Phone No. \_\_\_\_\_

Truck No. 147WHP No. 6275

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 07/30/24DRIVER'S SIGNATURE Andres Rodriguez

## TRUCK TIME STAMP

IN: \_\_\_\_\_ OUT: \_\_\_\_\_

## DISPOSAL FACILITY

## RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES

NO (circled)Phone No. 432-448-4239

If YES, was reading &gt; 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) \_\_\_\_\_

## TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&amp;W Received

Free Water

Total Received

BS&amp;W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED (circled)

DENIED

If denied, why? \_\_\_\_\_

NAME (PRINT)

DATE

TITLE

SIGNATURE



Remedial Summary Report and  
Limited Deferral Request

# Appendix D

## Laboratory Analytical Reports





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 7/23/2024 4:49:34 PM

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-46248-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
7/23/2024 4:49:34 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-46248-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| *1        | LCS/LCSD RPD exceeds control limits.                     |
| F1        | MS and/or MSD recovery exceeds control limits.           |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-46248-1

Job ID: 880-46248-1

Eurofins Midland

**Job Narrative**  
**880-46248-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The samples were received on 7/22/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 7.2°C.

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-034-2.0-20240719 (880-46248-1), CSB-035-2.0-20240719 (880-46248-2), CSB-044-2.0-20240719 (880-46248-3), CSB-045-2.0-20240719 (880-46248-4), CSB-054-2.0-20240719 (880-46248-5), CSB-055-2.0-20240719 (880-46248-6), CSB-036-2.0-20240719 (880-46248-7), CSB-037-2.0-20240719 (880-46248-8), CSB-046-2.0-20240719 (880-46248-9), CSB-047-2.0-20240719 (880-46248-10), CSB-056-2.0-20240719 (880-46248-11), CSB-057-2.0-20240719 (880-46248-12), CSB-065-2.0-20240719 (880-46248-13), CSB-066-2.0-20240719 (880-46248-14), CSB-067-2.0-20240719 (880-46248-15), CSB-074-2.0-20240719 (880-46248-16), CSB-075-2.0-20240719 (880-46248-17), CSB-076-2.0-20240719 (880-46248-18), CSB-084-2.0-20240719 (880-46248-19), CSB-085-2.0-20240719 (880-46248-20), CSB-093-2.0-20240719 (880-46248-21), CSB-094-2.0-20240719 (880-46248-22) and CSB-076-2.0-20240719 (880-46248-23).

**GC VOA**

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-86249 and analytical batch 880-86224 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: CSB-055-2.0-20240719 (880-46248-6), CSB-036-2.0-20240719 (880-46248-7), CSB-037-2.0-20240719 (880-46248-8), CSB-047-2.0-20240719 (880-46248-10), CSB-057-2.0-20240719 (880-46248-12), CSB-065-2.0-20240719 (880-46248-13) and CSB-067-2.0-20240719 (880-46248-15). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-86354 and analytical batch 880-86348 was outside the control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CSB-054-2.0-20240719 (880-46248-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Diesel Range Organics**

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-86231 and analytical batch 880-86270 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-86270 recovered below the lower control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-86270/21).

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-86193/3-A). Evidence of matrix interferences is not obvious.

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## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-46248-1

**Job ID: 880-46248-1 (Continued)****Eurofins Midland**

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-86226/6). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-86226 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD\_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-86193 and analytical batch 880-86226 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

Method 300\_ORGFM\_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-86239 and analytical batch 880-86250 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: CSB-034-2.0-20240719 (880-46248-1), CSB-035-2.0-20240719 (880-46248-2), CSB-044-2.0-20240719 (880-46248-3), CSB-045-2.0-20240719 (880-46248-4), CSB-054-2.0-20240719 (880-46248-5), CSB-055-2.0-20240719 (880-46248-6), CSB-036-2.0-20240719 (880-46248-7), CSB-037-2.0-20240719 (880-46248-8), CSB-046-2.0-20240719 (880-46248-9), CSB-047-2.0-20240719 (880-46248-10), (880-46248-A-1-C MS) and (880-46248-A-1-D MSD).

Method 300\_ORGFM\_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-86285 and analytical batch 880-86293 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: CSB-093-2.0-20240719 (880-46248-21), CSB-094-2.0-20240719 (880-46248-22), CSB-076-2.0-20240719 (880-46248-23), (880-46248-A-21-D MS) and (880-46248-A-21-E MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-034-2.0-20240719

Lab Sample ID: 880-46248-1

Date Collected: 07/19/24 09:18

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 09:00 | 07/23/24 11:49 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 09:00 | 07/23/24 11:49 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 09:00 | 07/23/24 11:49 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 | mg/Kg |   | 07/23/24 09:00 | 07/23/24 11:49 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 09:00 | 07/23/24 11:49 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 | mg/Kg |   | 07/23/24 09:00 | 07/23/24 11:49 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 | 07/23/24 09:00 | 07/23/24 11:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82        |           | 70 - 130 | 07/23/24 09:00 | 07/23/24 11:49 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 07/23/24 11:49 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 | mg/Kg |   |          | 07/22/24 16:40 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7  | U         | 49.7 | mg/Kg |   | 07/19/24 16:21 | 07/22/24 16:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7  | U *1      | 49.7 | mg/Kg |   | 07/19/24 16:21 | 07/22/24 16:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7  | U         | 49.7 | mg/Kg |   | 07/19/24 16:21 | 07/22/24 16:40 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 76        |           | 70 - 130 | 07/19/24 16:21 | 07/22/24 16:40 | 1       |
| o-Terphenyl    | 70        |           | 70 - 130 | 07/19/24 16:21 | 07/22/24 16:40 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 929    | F1        | 24.9 | mg/Kg |   |          | 07/22/24 16:22 | 5       |

Client Sample ID: CSB-035-2.0-20240719

Lab Sample ID: 880-46248-2

Date Collected: 07/19/24 09:20

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:10 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:10 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:10 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:10 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:10 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:10 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 87        |           | 70 - 130 | 07/23/24 09:00 | 07/23/24 12:10 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-035-2.0-20240719

Lab Sample ID: 880-46248-2

Date Collected: 07/19/24 09:20

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 85        |           | 70 - 130 | 07/23/24 09:00 | 07/23/24 12:10 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 07/23/24 12:10 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 07/22/24 16:55 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 07/19/24 16:21 | 07/22/24 16:55 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U *1      | 49.9     | mg/Kg |   | 07/19/24 16:21 | 07/22/24 16:55 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 07/19/24 16:21 | 07/22/24 16:55 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 78        |           | 70 - 130 |       |   | 07/19/24 16:21 | 07/22/24 16:55 | 1       |
| o-Terphenyl                          | 71        |           | 70 - 130 |       |   | 07/19/24 16:21 | 07/22/24 16:55 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 759    |           | 24.8 | mg/Kg |   |          | 07/22/24 16:38 | 5       |

Client Sample ID: CSB-044-2.0-20240719

Lab Sample ID: 880-46248-3

Date Collected: 07/19/24 09:22

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:30 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:30 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:30 | 1       |
| m-Xylene & p-Xylene         | <0.00404  | U         | 0.00404  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:30 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:30 | 1       |
| Xylenes, Total              | <0.00404  | U         | 0.00404  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:30 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 87        |           | 70 - 130 |       |   | 07/23/24 09:00 | 07/23/24 12:30 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 |       |   | 07/23/24 09:00 | 07/23/24 12:30 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 07/23/24 12:30 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 07/22/24 17:09 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-044-2.0-20240719

Lab Sample ID: 880-46248-3

Date Collected: 07/19/24 09:22

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 07/19/24 16:21 | 07/22/24 17:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U *1      | 50.0     | mg/Kg |   | 07/19/24 16:21 | 07/22/24 17:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 07/19/24 16:21 | 07/22/24 17:09 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 79        |           | 70 - 130 |       |   | 07/19/24 16:21 | 07/22/24 17:09 | 1       |
| o-Terphenyl                          | 72        |           | 70 - 130 |       |   | 07/19/24 16:21 | 07/22/24 17:09 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 904    |           | 25.0 | mg/Kg |   |          | 07/22/24 16:43 | 5       |

Client Sample ID: CSB-045-2.0-20240719

Lab Sample ID: 880-46248-4

Date Collected: 07/19/24 09:24

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:51 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:51 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:51 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:51 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:51 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 12:51 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 96        |           | 70 - 130 |       |   | 07/23/24 09:00 | 07/23/24 12:51 | 1       |
| 1,4-Difluorobenzene (Surr)  | 84        |           | 70 - 130 |       |   | 07/23/24 09:00 | 07/23/24 12:51 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 07/23/24 12:51 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 07/22/24 17:25 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 07/19/24 16:21 | 07/22/24 17:25 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U *1      | 49.9     | mg/Kg |   | 07/19/24 16:21 | 07/22/24 17:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 07/19/24 16:21 | 07/22/24 17:25 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 87        |           | 70 - 130 |       |   | 07/19/24 16:21 | 07/22/24 17:25 | 1       |
| o-Terphenyl                          | 78        |           | 70 - 130 |       |   | 07/19/24 16:21 | 07/22/24 17:25 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-045-2.0-20240719

Lab Sample ID: 880-46248-4

Date Collected: 07/19/24 09:24

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 909    |           | 5.05 | mg/Kg |   |          | 07/22/24 16:48 | 1       |

Client Sample ID: CSB-054-2.0-20240719

Lab Sample ID: 880-46248-5

Date Collected: 07/19/24 09:26

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 13:11 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 13:11 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 13:11 | 1       |
| m-Xylene & p-Xylene         | <0.00400  | U         | 0.00400  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 13:11 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 13:11 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 13:11 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 80        |           | 70 - 130 |       |   | 07/23/24 09:00 | 07/23/24 13:11 | 1       |
| 1,4-Difluorobenzene (Surr)  | 64        | S1-       | 70 - 130 |       |   | 07/23/24 09:00 | 07/23/24 13:11 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 07/23/24 13:11 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 07/22/24 17:40 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 07/19/24 16:21 | 07/22/24 17:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U *1      | 49.8     | mg/Kg |   | 07/19/24 16:21 | 07/22/24 17:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 07/19/24 16:21 | 07/22/24 17:40 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 78        |           | 70 - 130 |       |   | 07/19/24 16:21 | 07/22/24 17:40 | 1       |
| o-Terphenyl                          | 71        |           | 70 - 130 |       |   | 07/19/24 16:21 | 07/22/24 17:40 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 321    |           | 4.96 | mg/Kg |   |          | 07/22/24 16:53 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-055-2.0-20240719

Lab Sample ID: 880-46248-6

Date Collected: 07/19/24 09:28

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:32 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:32 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:32 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:32 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:32 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:32 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 175       | S1+       | 70 - 130 | 07/22/24 10:03 | 07/22/24 12:32 | 1       |
| 1,4-Difluorobenzene (Surr)  | 120       |           | 70 - 130 | 07/22/24 10:03 | 07/22/24 12:32 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 07/22/24 12:32 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.6  | U         | 49.6 | mg/Kg |   |          | 07/22/24 12:44 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.6  | U         | 49.6 | mg/Kg |   | 07/22/24 09:20 | 07/22/24 12:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.6  | U F1      | 49.6 | mg/Kg |   | 07/22/24 09:20 | 07/22/24 12:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.6  | U         | 49.6 | mg/Kg |   | 07/22/24 09:20 | 07/22/24 12:44 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 86        |           | 70 - 130 | 07/22/24 09:20 | 07/22/24 12:44 | 1       |
| o-Terphenyl    | 79        |           | 70 - 130 | 07/22/24 09:20 | 07/22/24 12:44 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1430   |           | 24.9 | mg/Kg |   |          | 07/22/24 17:09 | 5       |

Client Sample ID: CSB-036-2.0-20240719

Lab Sample ID: 880-46248-7

Date Collected: 07/19/24 12:20

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:53 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:53 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:53 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:53 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:53 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:53 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 173       | S1+       | 70 - 130 | 07/22/24 10:03 | 07/22/24 12:53 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-036-2.0-20240719  
Date Collected: 07/19/24 12:20  
Date Received: 07/22/24 08:00  
Sample Depth: 2.0

Lab Sample ID: 880-46248-7  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued) |           |           |          |       |   |                |                |         |  |
|-------------------------------------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|
| Surrogate                                                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1,4-Difluorobenzene (Surr)                                        | 122       |           | 70 - 130 |       |   | 07/22/24 10:03 | 07/22/24 12:53 | 1       |  |
| Method: TAL SOP Total BTEX - Total BTEX Calculation               |           |           |          |       |   |                |                |         |  |
| Analyte                                                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Total BTEX                                                        | <0.00404  | U         | 0.00404  | mg/Kg |   |                | 07/22/24 12:53 | 1       |  |
| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)          |           |           |          |       |   |                |                |         |  |
| Analyte                                                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Total TPH                                                         | <49.9     | U         | 49.9     | mg/Kg |   |                | 07/22/24 13:33 | 1       |  |
| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)         |           |           |          |       |   |                |                |         |  |
| Analyte                                                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                              | <49.9     | U         | 49.9     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 13:33 | 1       |  |
| Diesel Range Organics (Over C10-C28)                              | <49.9     | U         | 49.9     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 13:33 | 1       |  |
| Oil Range Organics (Over C28-C36)                                 | <49.9     | U         | 49.9     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 13:33 | 1       |  |
| Surrogate                                                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                                    | 89        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 13:33 | 1       |  |
| o-Terphenyl                                                       | 82        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 13:33 | 1       |  |
| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble          |           |           |          |       |   |                |                |         |  |
| Analyte                                                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Chloride                                                          | 927       |           | 25.3     | mg/Kg |   |                | 07/22/24 17:14 | 5       |  |

Client Sample ID: CSB-037-2.0-20240719  
Date Collected: 07/19/24 12:22  
Date Received: 07/22/24 08:00  
Sample Depth: 2.0

Lab Sample ID: 880-46248-8  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC)    |           |           |          |       |   |                |                |         |  |
|----------------------------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|
| Analyte                                                  | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Benzene                                                  | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:13 | 1       |  |
| Toluene                                                  | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:13 | 1       |  |
| Ethylbenzene                                             | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:13 | 1       |  |
| m-Xylene & p-Xylene                                      | <0.00399  | U         | 0.00399  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:13 | 1       |  |
| o-Xylene                                                 | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:13 | 1       |  |
| Xylenes, Total                                           | <0.00399  | U         | 0.00399  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:13 | 1       |  |
| Surrogate                                                | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 4-Bromofluorobenzene (Surr)                              | 209       | S1+       | 70 - 130 |       |   | 07/22/24 10:03 | 07/22/24 13:13 | 1       |  |
| 1,4-Difluorobenzene (Surr)                               | 122       |           | 70 - 130 |       |   | 07/22/24 10:03 | 07/22/24 13:13 | 1       |  |
| Method: TAL SOP Total BTEX - Total BTEX Calculation      |           |           |          |       |   |                |                |         |  |
| Analyte                                                  | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Total BTEX                                               | <0.00399  | U         | 0.00399  | mg/Kg |   |                | 07/22/24 13:13 | 1       |  |
| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |           |           |          |       |   |                |                |         |  |
| Analyte                                                  | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Total TPH                                                | <49.8     | U         | 49.8     | mg/Kg |   |                | 07/22/24 13:48 | 1       |  |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-037-2.0-20240719

Lab Sample ID: 880-46248-8

Date Collected: 07/19/24 12:22

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 13:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 13:48 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 13:48 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 84        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 13:48 | 1       |
| o-Terphenyl                          | 77        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 13:48 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1100   |           | 5.02 | mg/Kg |   |          | 07/22/24 17:20 | 1       |

Client Sample ID: CSB-046-2.0-20240719

Lab Sample ID: 880-46248-9

Date Collected: 07/19/24 12:24

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:33 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:33 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:33 | 1       |
| m-Xylene & p-Xylene         | <0.00404  | U         | 0.00404  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:33 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:33 | 1       |
| Xylenes, Total              | <0.00404  | U         | 0.00404  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:33 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 120       |           | 70 - 130 |       |   | 07/22/24 10:03 | 07/22/24 13:33 | 1       |
| 1,4-Difluorobenzene (Surr)  | 115       |           | 70 - 130 |       |   | 07/22/24 10:03 | 07/22/24 13:33 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 07/22/24 13:33 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 | mg/Kg |   |          | 07/22/24 14:05 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7     | U         | 49.7     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 14:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7     | U         | 49.7     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 14:05 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7     | U         | 49.7     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 14:05 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 88        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 14:05 | 1       |
| o-Terphenyl                          | 80        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 14:05 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-046-2.0-20240719

Lab Sample ID: 880-46248-9

Date Collected: 07/19/24 12:24

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 222    |           | 5.04 | mg/Kg |   |          | 07/22/24 17:25 | 1       |

Client Sample ID: CSB-047-2.0-20240719

Lab Sample ID: 880-46248-10

Date Collected: 07/19/24 12:26

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:54 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:54 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:54 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:54 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:54 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 13:54 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 169       | S1+       | 70 - 130 |       |   | 07/22/24 10:03 | 07/22/24 13:54 | 1       |
| 1,4-Difluorobenzene (Surr)  | 118       |           | 70 - 130 |       |   | 07/22/24 10:03 | 07/22/24 13:54 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 07/22/24 13:54 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 | mg/Kg |   |          | 07/22/24 14:21 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7     | U         | 49.7     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 14:21 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7     | U         | 49.7     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 14:21 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7     | U         | 49.7     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 14:21 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 85        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 14:21 | 1       |
| o-Terphenyl                          | 76        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 14:21 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1260   |           | 25.2 | mg/Kg |   |          | 07/22/24 17:30 | 5       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-056-2.0-20240719

Lab Sample ID: 880-46248-11

Date Collected: 07/19/24 12:28

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:14 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:14 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:14 | 1       |
| m-Xylene & p-Xylene | <0.00403 | U         | 0.00403 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:14 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:14 | 1       |
| Xylenes, Total      | <0.00403 | U         | 0.00403 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:14 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 115       |           | 70 - 130 | 07/22/24 10:03 | 07/22/24 14:14 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 | 07/22/24 10:03 | 07/22/24 14:14 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 07/22/24 14:14 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 07/22/24 14:38 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 07/22/24 09:20 | 07/22/24 14:38 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 07/22/24 09:20 | 07/22/24 14:38 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | mg/Kg |   | 07/22/24 09:20 | 07/22/24 14:38 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 90        |           | 70 - 130 | 07/22/24 09:20 | 07/22/24 14:38 | 1       |
| o-Terphenyl    | 83        |           | 70 - 130 | 07/22/24 09:20 | 07/22/24 14:38 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 669    |           | 5.02 | mg/Kg |   |          | 07/22/24 17:35 | 1       |

Client Sample ID: CSB-057-2.0-20240719

Lab Sample ID: 880-46248-12

Date Collected: 07/19/24 12:30

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:35 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:35 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:35 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:35 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:35 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:35 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 177       | S1+       | 70 - 130 | 07/22/24 10:03 | 07/22/24 14:35 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-057-2.0-20240719

Lab Sample ID: 880-46248-12

Date Collected: 07/19/24 12:30

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 127       |           | 70 - 130 | 07/22/24 10:03 | 07/22/24 14:35 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 07/22/24 14:35 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 07/22/24 14:54 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 07/22/24 09:20 | 07/22/24 14:54 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 07/22/24 09:20 | 07/22/24 14:54 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 07/22/24 09:20 | 07/22/24 14:54 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 90        |           | 70 - 130 | 07/22/24 09:20 | 07/22/24 14:54 | 1       |
| o-Terphenyl    | 81        |           | 70 - 130 | 07/22/24 09:20 | 07/22/24 14:54 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 290    |           | 5.05 | mg/Kg |   |          | 07/22/24 17:51 | 1       |

Client Sample ID: CSB-065-2.0-20240719

Lab Sample ID: 880-46248-13

Date Collected: 07/19/24 12:32

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:55 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:55 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:55 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:55 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:55 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 14:55 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 143       | S1+       | 70 - 130 | 07/22/24 10:03 | 07/22/24 14:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 115       |           | 70 - 130 | 07/22/24 10:03 | 07/22/24 14:55 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 07/22/24 14:55 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 07/22/24 15:09 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-065-2.0-20240719

Lab Sample ID: 880-46248-13

Date Collected: 07/19/24 12:32

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 15:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 15:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 15:09 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 96        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 15:09 | 1       |
| o-Terphenyl                          | 87        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 15:09 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 650    |           | 4.99 | mg/Kg |   |          | 07/22/24 17:56 | 1       |

Client Sample ID: CSB-066-2.0-20240719

Lab Sample ID: 880-46248-14

Date Collected: 07/19/24 12:34

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 15:16 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 15:16 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 15:16 | 1       |
| m-Xylene & p-Xylene         | <0.00400  | U         | 0.00400  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 15:16 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 15:16 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 15:16 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 127       |           | 70 - 130 |       |   | 07/22/24 10:03 | 07/22/24 15:16 | 1       |
| 1,4-Difluorobenzene (Surr)  | 111       |           | 70 - 130 |       |   | 07/22/24 10:03 | 07/22/24 15:16 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 07/22/24 15:16 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 07/22/24 15:26 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 15:26 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 15:26 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 15:26 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 84        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 15:26 | 1       |
| o-Terphenyl                          | 75        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 15:26 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-066-2.0-20240719

Lab Sample ID: 880-46248-14

Date Collected: 07/19/24 12:34

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 692    |           | 4.98 | mg/Kg |   |          | 07/22/24 18:12 | 1       |

Client Sample ID: CSB-067-2.0-20240719

Lab Sample ID: 880-46248-15

Date Collected: 07/19/24 12:36

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 15:36 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 15:36 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 15:36 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 15:36 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 15:36 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 07/22/24 10:03 | 07/22/24 15:36 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 288       | S1+       | 70 - 130 |       |   | 07/22/24 10:03 | 07/22/24 15:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 123       |           | 70 - 130 |       |   | 07/22/24 10:03 | 07/22/24 15:36 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 07/22/24 15:36 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 07/22/24 15:42 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 15:42 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 15:42 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 15:42 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 86        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 15:42 | 1       |
| o-Terphenyl                          | 79        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 15:42 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 25.3   |           | 5.02 | mg/Kg |   |          | 07/22/24 18:17 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-074-2.0-20240719

Lab Sample ID: 880-46248-16

Date Collected: 07/19/24 12:38

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 11:49 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 11:49 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 11:49 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 11:49 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 11:49 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 11:49 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 118       |           | 70 - 130 | 07/23/24 08:34 | 07/23/24 11:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 | 07/23/24 08:34 | 07/23/24 11:49 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 07/23/24 11:49 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 07/22/24 16:15 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 07/22/24 09:20 | 07/22/24 16:15 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 | mg/Kg |   | 07/22/24 09:20 | 07/22/24 16:15 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 07/22/24 09:20 | 07/22/24 16:15 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 82        |           | 70 - 130 | 07/22/24 09:20 | 07/22/24 16:15 | 1       |
| o-Terphenyl    | 77        |           | 70 - 130 | 07/22/24 09:20 | 07/22/24 16:15 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 573    |           | 25.0 | mg/Kg |   |          | 07/22/24 18:23 | 5       |

Client Sample ID: CSB-075-2.0-20240719

Lab Sample ID: 880-46248-17

Date Collected: 07/19/24 12:40

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:09 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:09 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:09 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:09 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:09 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:09 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 116       |           | 70 - 130 | 07/23/24 08:34 | 07/23/24 12:09 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-075-2.0-20240719

Lab Sample ID: 880-46248-17

Date Collected: 07/19/24 12:40

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 85        |           | 70 - 130 | 07/23/24 08:34 | 07/23/24 12:09 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 07/23/24 12:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 07/22/24 16:31 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 16:31 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 16:31 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 16:31 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 102       |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 16:31 | 1       |
| o-Terphenyl                          | 91        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 16:31 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 203    |           | 4.96 | mg/Kg |   |          | 07/22/24 18:28 | 1       |

Client Sample ID: CSB-076-2.0-20240719

Lab Sample ID: 880-46248-18

Date Collected: 07/19/24 12:42

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:29 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:29 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:29 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:29 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:29 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:29 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 | 07/23/24 08:34 | 07/23/24 12:29 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 | 07/23/24 08:34 | 07/23/24 12:29 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 07/23/24 12:29 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 | mg/Kg |   |          | 07/22/24 16:48 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-076-2.0-20240719  
Date Collected: 07/19/24 12:42  
Date Received: 07/22/24 08:00  
Sample Depth: 2.0

Lab Sample ID: 880-46248-18  
Matrix: Solid

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|
| Analyte                                                   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <49.7     | U         | 49.7     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 16:48 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <49.7     | U         | 49.7     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 16:48 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <49.7     | U         | 49.7     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 16:48 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 89        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 16:48 | 1       |  |
| o-Terphenyl                                               | 81        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 16:48 | 1       |  |

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride                                                 | 456    |           | 4.98 | mg/Kg |   |          | 07/22/24 18:33 | 1       |  |

Client Sample ID: CSB-084-2.0-20240719  
Date Collected: 07/19/24 12:44  
Date Received: 07/22/24 08:00  
Sample Depth: 2.0

Lab Sample ID: 880-46248-19  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC) |           |           |          |       |   |                |                |         |  |
|-------------------------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|
| Analyte                                               | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Benzene                                               | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:50 | 1       |  |
| Toluene                                               | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:50 | 1       |  |
| Ethylbenzene                                          | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:50 | 1       |  |
| m-Xylene & p-Xylene                                   | <0.00398  | U         | 0.00398  | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:50 | 1       |  |
| o-Xylene                                              | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:50 | 1       |  |
| Xylenes, Total                                        | <0.00398  | U         | 0.00398  | mg/Kg |   | 07/23/24 08:34 | 07/23/24 12:50 | 1       |  |
| Surrogate                                             | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 4-Bromofluorobenzene (Surr)                           | 117       |           | 70 - 130 |       |   | 07/23/24 08:34 | 07/23/24 12:50 | 1       |  |
| 1,4-Difluorobenzene (Surr)                            | 89        |           | 70 - 130 |       |   | 07/23/24 08:34 | 07/23/24 12:50 | 1       |  |

| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |       |   |          |                |         |  |
|-----------------------------------------------------|----------|-----------|---------|-------|---|----------|----------------|---------|--|
| Analyte                                             | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total BTEX                                          | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 07/23/24 12:50 | 1       |  |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH                                                | <50.0  | U         | 50.0 | mg/Kg |   |          | 07/22/24 17:04 | 1       |  |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|
| Analyte                                                   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <50.0     | U         | 50.0     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 17:04 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <50.0     | U         | 50.0     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 17:04 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <50.0     | U         | 50.0     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 17:04 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 91        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 17:04 | 1       |  |
| o-Terphenyl                                               | 85        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 17:04 | 1       |  |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-084-2.0-20240719

Lab Sample ID: 880-46248-19

Date Collected: 07/19/24 12:44

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 610    |           | 5.02 | mg/Kg |   |          | 07/22/24 18:38 | 1       |

Client Sample ID: CSB-085-2.0-20240719

Lab Sample ID: 880-46248-20

Date Collected: 07/19/24 12:46

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:10 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:10 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:10 | 1       |
| m-Xylene & p-Xylene         | <0.00400  | U         | 0.00400  | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:10 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:10 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:10 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 |       |   | 07/23/24 08:34 | 07/23/24 13:10 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 |       |   | 07/23/24 08:34 | 07/23/24 13:10 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 07/23/24 13:10 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 | mg/Kg |   |          | 07/22/24 17:22 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7     | U         | 49.7     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 17:22 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7     | U         | 49.7     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 17:22 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7     | U         | 49.7     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 17:22 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 82        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 17:22 | 1       |
| o-Terphenyl                          | 75        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 17:22 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 951    |           | 25.0 | mg/Kg |   |          | 07/22/24 18:44 | 5       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-093-2.0-20240719

Lab Sample ID: 880-46248-21

Date Collected: 07/19/24 12:48

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:31 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:31 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:31 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:31 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:31 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:31 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 | 07/23/24 08:34 | 07/23/24 13:31 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 | 07/23/24 08:34 | 07/23/24 13:31 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 07/23/24 13:31 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 | mg/Kg |   |          | 07/22/24 17:38 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7  | U         | 49.7 | mg/Kg |   | 07/22/24 09:20 | 07/22/24 17:38 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7  | U         | 49.7 | mg/Kg |   | 07/22/24 09:20 | 07/22/24 17:38 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7  | U         | 49.7 | mg/Kg |   | 07/22/24 09:20 | 07/22/24 17:38 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 83        |           | 70 - 130 | 07/22/24 09:20 | 07/22/24 17:38 | 1       |
| o-Terphenyl    | 76        |           | 70 - 130 | 07/22/24 09:20 | 07/22/24 17:38 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 841    | F1        | 25.1 | mg/Kg |   |          | 07/23/24 12:26 | 5       |

Client Sample ID: CSB-094-2.0-20240719

Lab Sample ID: 880-46248-22

Date Collected: 07/19/24 12:50

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:51 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:51 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:51 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:51 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:51 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 13:51 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 | 07/23/24 08:34 | 07/23/24 13:51 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-094-2.0-20240719

Lab Sample ID: 880-46248-22

Date Collected: 07/19/24 12:50

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 89        |           | 70 - 130 | 07/23/24 08:34 | 07/23/24 13:51 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 07/23/24 13:51 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 07/22/24 17:54 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 17:54 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 17:54 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 17:54 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 86        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 17:54 | 1       |
| o-Terphenyl                          | 76        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 17:54 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1200   |           | 25.1 | mg/Kg |   |          | 07/23/24 12:42 | 5       |

Client Sample ID: CSB-076-2.0-20240719

Lab Sample ID: 880-46248-23

Date Collected: 07/19/24 00:00

Matrix: Solid

Date Received: 07/22/24 08:00

Sample Depth: 2.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 14:12 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 14:12 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 14:12 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 14:12 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 14:12 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 14:12 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 122       |           | 70 - 130 | 07/23/24 08:34 | 07/23/24 14:12 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85        |           | 70 - 130 | 07/23/24 08:34 | 07/23/24 14:12 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 07/23/24 14:12 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 07/22/24 18:10 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-076-2.0-20240719  
Date Collected: 07/19/24 00:00  
Date Received: 07/22/24 08:00  
Sample Depth: 2.0

Lab Sample ID: 880-46248-23  
Matrix: Solid

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|
| Analyte                                                   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <49.8     | U         | 49.8     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 18:10 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <49.8     | U         | 49.8     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 18:10 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <49.8     | U         | 49.8     | mg/Kg |   | 07/22/24 09:20 | 07/22/24 18:10 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 96        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 18:10 | 1       |  |
| o-Terphenyl                                               | 87        |           | 70 - 130 |       |   | 07/22/24 09:20 | 07/22/24 18:10 | 1       |  |

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride                                                 | 433    |           | 5.03 | mg/Kg |   |          | 07/23/24 12:47 | 1       |  |



## Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-46248-1                       | CSB-034-2.0-20240719   | 91                                             | 82                |
| 880-46248-1 MS                    | CSB-034-2.0-20240719   | 109                                            | 87                |
| 880-46248-1 MSD                   | CSB-034-2.0-20240719   | 110                                            | 87                |
| 880-46248-2                       | CSB-035-2.0-20240719   | 87                                             | 85                |
| 880-46248-3                       | CSB-044-2.0-20240719   | 87                                             | 80                |
| 880-46248-4                       | CSB-045-2.0-20240719   | 96                                             | 84                |
| 880-46248-5                       | CSB-054-2.0-20240719   | 80                                             | 64 S1-            |
| 880-46248-6                       | CSB-055-2.0-20240719   | 175 S1+                                        | 120               |
| 880-46248-6 MS                    | CSB-055-2.0-20240719   | 115                                            | 97                |
| 880-46248-6 MSD                   | CSB-055-2.0-20240719   | 114                                            | 98                |
| 880-46248-7                       | CSB-036-2.0-20240719   | 173 S1+                                        | 122               |
| 880-46248-8                       | CSB-037-2.0-20240719   | 209 S1+                                        | 122               |
| 880-46248-9                       | CSB-046-2.0-20240719   | 120                                            | 115               |
| 880-46248-10                      | CSB-047-2.0-20240719   | 169 S1+                                        | 118               |
| 880-46248-11                      | CSB-056-2.0-20240719   | 115                                            | 102               |
| 880-46248-12                      | CSB-057-2.0-20240719   | 177 S1+                                        | 127               |
| 880-46248-13                      | CSB-065-2.0-20240719   | 143 S1+                                        | 115               |
| 880-46248-14                      | CSB-066-2.0-20240719   | 127                                            | 111               |
| 880-46248-15                      | CSB-067-2.0-20240719   | 288 S1+                                        | 123               |
| 880-46248-16                      | CSB-074-2.0-20240719   | 118                                            | 89                |
| 880-46248-16 MS                   | CSB-074-2.0-20240719   | 112                                            | 92                |
| 880-46248-16 MSD                  | CSB-074-2.0-20240719   | 112                                            | 91                |
| 880-46248-17                      | CSB-075-2.0-20240719   | 116                                            | 85                |
| 880-46248-18                      | CSB-076-2.0-20240719   | 117                                            | 89                |
| 880-46248-19                      | CSB-084-2.0-20240719   | 117                                            | 89                |
| 880-46248-20                      | CSB-085-2.0-20240719   | 117                                            | 89                |
| 880-46248-21                      | CSB-093-2.0-20240719   | 117                                            | 89                |
| 880-46248-22                      | CSB-094-2.0-20240719   | 117                                            | 89                |
| 880-46248-23                      | CSB-076-2.0-20240719   | 122                                            | 85                |
| LCS 880-86249/1-A                 | Lab Control Sample     | 113                                            | 93                |
| LCS 880-86350/1-A                 | Lab Control Sample     | 112                                            | 90                |
| LCS 880-86354/1-A                 | Lab Control Sample     | 101                                            | 101               |
| LCSD 880-86249/2-A                | Lab Control Sample Dup | 120                                            | 98                |
| LCSD 880-86350/2-A                | Lab Control Sample Dup | 112                                            | 91                |
| LCSD 880-86354/2-A                | Lab Control Sample Dup | 107                                            | 95                |
| MB 880-86249/5-A                  | Method Blank           | 205 S1+                                        | 130               |
| MB 880-86350/5-A                  | Method Blank           | 112                                            | 84                |
| MB 880-86354/5-A                  | Method Blank           | 69 S1-                                         | 90                |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|               |                      | Percent Surrogate Recovery (Acceptance Limits) |                   |
|---------------|----------------------|------------------------------------------------|-------------------|
| Lab Sample ID | Client Sample ID     | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-46248-1   | CSB-034-2.0-20240719 | 76                                             | 70                |

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## Surrogate Summary

Client: AECOM

Job ID: 880-46248-1

Project/Site: Amoco CTB

SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

|                    |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|--------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID      | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-46248-2        | CSB-035-2.0-20240719   | 78                                             | 71                |
| 880-46248-3        | CSB-044-2.0-20240719   | 79                                             | 72                |
| 880-46248-4        | CSB-045-2.0-20240719   | 87                                             | 78                |
| 880-46248-5        | CSB-054-2.0-20240719   | 78                                             | 71                |
| 880-46248-6        | CSB-055-2.0-20240719   | 86                                             | 79                |
| 880-46248-6 MS     | CSB-055-2.0-20240719   | 86                                             | 81                |
| 880-46248-6 MSD    | CSB-055-2.0-20240719   | 90                                             | 83                |
| 880-46248-7        | CSB-036-2.0-20240719   | 89                                             | 82                |
| 880-46248-8        | CSB-037-2.0-20240719   | 84                                             | 77                |
| 880-46248-9        | CSB-046-2.0-20240719   | 88                                             | 80                |
| 880-46248-10       | CSB-047-2.0-20240719   | 85                                             | 76                |
| 880-46248-11       | CSB-056-2.0-20240719   | 90                                             | 83                |
| 880-46248-12       | CSB-057-2.0-20240719   | 90                                             | 81                |
| 880-46248-13       | CSB-065-2.0-20240719   | 96                                             | 87                |
| 880-46248-14       | CSB-066-2.0-20240719   | 84                                             | 75                |
| 880-46248-15       | CSB-067-2.0-20240719   | 86                                             | 79                |
| 880-46248-16       | CSB-074-2.0-20240719   | 82                                             | 77                |
| 880-46248-17       | CSB-075-2.0-20240719   | 102                                            | 91                |
| 880-46248-18       | CSB-076-2.0-20240719   | 89                                             | 81                |
| 880-46248-19       | CSB-084-2.0-20240719   | 91                                             | 85                |
| 880-46248-20       | CSB-085-2.0-20240719   | 82                                             | 75                |
| 880-46248-21       | CSB-093-2.0-20240719   | 83                                             | 76                |
| 880-46248-22       | CSB-094-2.0-20240719   | 86                                             | 76                |
| 880-46248-23       | CSB-076-2.0-20240719   | 96                                             | 87                |
| LCS 880-86193/2-A  | Lab Control Sample     | 87                                             | 73                |
| LCS 880-86231/2-A  | Lab Control Sample     | 90                                             | 82                |
| LCSD 880-86193/3-A | Lab Control Sample Dup | 133 S1+                                        | 112               |
| LCSD 880-86231/3-A | Lab Control Sample Dup | 97                                             | 88                |
| MB 880-86193/1-A   | Method Blank           | 92                                             | 87                |
| MB 880-86231/1-A   | Method Blank           | 89                                             | 82                |

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-86249/5-A

Matrix: Solid

Analysis Batch: 86224

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86249

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:03 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:03 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:03 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:03 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:03 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | mg/Kg |   | 07/22/24 10:03 | 07/22/24 12:03 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 205             | S1+             | 70 - 130 | 07/22/24 10:03 | 07/22/24 12:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 130             |                 | 70 - 130 | 07/22/24 10:03 | 07/22/24 12:03 | 1       |

Lab Sample ID: LCS 880-86249/1-A

Matrix: Solid

Analysis Batch: 86224

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86249

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.09587       |                  | mg/Kg |   | 96   | 70 - 130       |
| Toluene             | 0.100          | 0.09027       |                  | mg/Kg |   | 90   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.08972       |                  | mg/Kg |   | 90   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1783        |                  | mg/Kg |   | 89   | 70 - 130       |
| o-Xylene            | 0.100          | 0.1044        |                  | mg/Kg |   | 104  | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 113              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 93               |                  | 70 - 130 |

Lab Sample ID: LCSD 880-86249/2-A

Matrix: Solid

Analysis Batch: 86224

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86249

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.09768        |                   | mg/Kg |   | 98   | 70 - 130       | 2   | 35           |
| Toluene             | 0.100          | 0.08856        |                   | mg/Kg |   | 89   | 70 - 130       | 2   | 35           |
| Ethylbenzene        | 0.100          | 0.1010         |                   | mg/Kg |   | 101  | 70 - 130       | 12  | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2360         |                   | mg/Kg |   | 118  | 70 - 130       | 28  | 35           |
| o-Xylene            | 0.100          | 0.1159         |                   | mg/Kg |   | 116  | 70 - 130       | 10  | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 120               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98                |                   | 70 - 130 |

Lab Sample ID: 880-46248-6 MS

Matrix: Solid

Analysis Batch: 86224

Client Sample ID: CSB-055-2.0-20240719

Prep Type: Total/NA

Prep Batch: 86249

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00200         | U                   | 0.100          | 0.08999      |                 | mg/Kg |   | 90   | 70 - 130       |
| Toluene | <0.00200         | U                   | 0.100          | 0.08066      |                 | mg/Kg |   | 81   | 70 - 130       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-46248-6 MS

Matrix: Solid

Analysis Batch: 86224

Client Sample ID: CSB-055-2.0-20240719

Prep Type: Total/NA

Prep Batch: 86249

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.08813   |              | mg/Kg |   | 88   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00399      | U                | 0.200       | 0.1927    |              | mg/Kg |   | 96   | 70 - 130    |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.09837   |              | mg/Kg |   | 98   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 115          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97           |              | 70 - 130 |

Lab Sample ID: 880-46248-6 MSD

Matrix: Solid

Analysis Batch: 86224

Client Sample ID: CSB-055-2.0-20240719

Prep Type: Total/NA

Prep Batch: 86249

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00200      | U                | 0.100       | 0.09140    |               | mg/Kg |   | 91   | 70 - 130    | 2   | 35        |
| Toluene             | <0.00200      | U                | 0.100       | 0.08216    |               | mg/Kg |   | 82   | 70 - 130    | 2   | 35        |
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.08872    |               | mg/Kg |   | 89   | 70 - 130    | 1   | 35        |
| m-Xylene & p-Xylene | <0.00399      | U                | 0.200       | 0.1959     |               | mg/Kg |   | 98   | 70 - 130    | 2   | 35        |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.09937    |               | mg/Kg |   | 99   | 70 - 130    | 1   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 114           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98            |               | 70 - 130 |

Lab Sample ID: MB 880-86350/5-A

Matrix: Solid

Analysis Batch: 86346

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86350

| Analyte             | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202  | U            | 0.00202 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 11:27 | 1       |
| Toluene             | <0.00202  | U            | 0.00202 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 11:27 | 1       |
| Ethylbenzene        | <0.00202  | U            | 0.00202 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 11:27 | 1       |
| m-Xylene & p-Xylene | <0.00404  | U            | 0.00404 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 11:27 | 1       |
| o-Xylene            | <0.00202  | U            | 0.00202 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 11:27 | 1       |
| Xylenes, Total      | <0.00404  | U            | 0.00404 | mg/Kg |   | 07/23/24 08:34 | 07/23/24 11:27 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 112          |              | 70 - 130 | 07/23/24 08:34 | 07/23/24 11:27 | 1       |
| 1,4-Difluorobenzene (Surr)  | 84           |              | 70 - 130 | 07/23/24 08:34 | 07/23/24 11:27 | 1       |

Lab Sample ID: LCS 880-86350/1-A

Matrix: Solid

Analysis Batch: 86346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86350

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.08294    |               | mg/Kg |   | 83   | 70 - 130    |
| Toluene             | 0.100       | 0.08103    |               | mg/Kg |   | 81   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.08048    |               | mg/Kg |   | 80   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1771     |               | mg/Kg |   | 89   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-86350/1-A

Matrix: Solid

Analysis Batch: 86346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86350

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| o-Xylene | 0.100       | 0.09110    |               | mg/Kg |   | 91   | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 112           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 90            |               | 70 - 130 |

Lab Sample ID: LCSD 880-86350/2-A

Matrix: Solid

Analysis Batch: 86346

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86350

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-------|
| Benzene             | 0.100       | 0.09752     |                | mg/Kg |   | 98   | 70 - 130    | 16  | 35    |
| Toluene             | 0.100       | 0.09587     |                | mg/Kg |   | 96   | 70 - 130    | 17  | 35    |
| Ethylbenzene        | 0.100       | 0.09575     |                | mg/Kg |   | 96   | 70 - 130    | 17  | 35    |
| m-Xylene & p-Xylene | 0.200       | 0.2106      |                | mg/Kg |   | 105  | 70 - 130    | 17  | 35    |
| o-Xylene            | 0.100       | 0.1066      |                | mg/Kg |   | 107  | 70 - 130    | 16  | 35    |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 112            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 91             |                | 70 - 130 |

Lab Sample ID: 880-46248-16 MS

Matrix: Solid

Analysis Batch: 86346

Client Sample ID: CSB-074-2.0-20240719

Prep Type: Total/NA

Prep Batch: 86350

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | <0.00200      | U                | 0.100       | 0.1021    |              | mg/Kg |   | 102  | 70 - 130    |
| Toluene             | <0.00200      | U                | 0.100       | 0.09983   |              | mg/Kg |   | 100  | 70 - 130    |
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.09969   |              | mg/Kg |   | 100  | 70 - 130    |
| m-Xylene & p-Xylene | <0.00399      | U                | 0.200       | 0.2183    |              | mg/Kg |   | 109  | 70 - 130    |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.1104    |              | mg/Kg |   | 110  | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 112          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 92           |              | 70 - 130 |

Lab Sample ID: 880-46248-16 MSD

Matrix: Solid

Analysis Batch: 86346

Client Sample ID: CSB-074-2.0-20240719

Prep Type: Total/NA

Prep Batch: 86350

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-------|
| Benzene             | <0.00200      | U                | 0.100       | 0.09931    |               | mg/Kg |   | 99   | 70 - 130    | 3   | 35    |
| Toluene             | <0.00200      | U                | 0.100       | 0.09715    |               | mg/Kg |   | 97   | 70 - 130    | 3   | 35    |
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.09712    |               | mg/Kg |   | 97   | 70 - 130    | 3   | 35    |
| m-Xylene & p-Xylene | <0.00399      | U                | 0.200       | 0.2127     |               | mg/Kg |   | 106  | 70 - 130    | 3   | 35    |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.1079     |               | mg/Kg |   | 108  | 70 - 130    | 2   | 35    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-46248-16 MSD

Matrix: Solid

Analysis Batch: 86346

Client Sample ID: CSB-074-2.0-20240719

Prep Type: Total/NA

Prep Batch: 86350

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 112       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 |

Lab Sample ID: MB 880-86354/5-A

Matrix: Solid

Analysis Batch: 86348

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86354

| Analyte                     | MB        | MB        |          |       |   |                |                |     |     |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|-----|-----|
|                             | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil | Fac |
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 11:28 | 1   |     |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 11:28 | 1   |     |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 11:28 | 1   |     |
| m-Xylene & p-Xylene         | <0.00404  | U         | 0.00404  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 11:28 | 1   |     |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 11:28 | 1   |     |
| Xylenes, Total              | <0.00404  | U         | 0.00404  | mg/Kg |   | 07/23/24 09:00 | 07/23/24 11:28 | 1   |     |
|                             | MB        | MB        |          |       |   |                |                |     |     |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil | Fac |
| 4-Bromofluorobenzene (Surr) | 69        | S1-       | 70 - 130 |       |   | 07/23/24 09:00 | 07/23/24 11:28 | 1   |     |
| 1,4-Difluorobenzene (Surr)  | 90        |           | 70 - 130 |       |   | 07/23/24 09:00 | 07/23/24 11:28 | 1   |     |

Lab Sample ID: LCS 880-86354/1-A

Matrix: Solid

Analysis Batch: 86348

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86354

| Analyte                     | Spike     | LCS       | LCS       |       |   |      |          | %Rec |  |
|-----------------------------|-----------|-----------|-----------|-------|---|------|----------|------|--|
|                             | Added     | Result    | Qualifier | Unit  | D | %Rec | Limits   |      |  |
| Benzene                     | 0.100     | 0.07916   |           | mg/Kg |   | 79   | 70 - 130 |      |  |
| Toluene                     | 0.100     | 0.08560   |           | mg/Kg |   | 86   | 70 - 130 |      |  |
| Ethylbenzene                | 0.100     | 0.1063    |           | mg/Kg |   | 106  | 70 - 130 |      |  |
| m-Xylene & p-Xylene         | 0.200     | 0.1869    |           | mg/Kg |   | 93   | 70 - 130 |      |  |
| o-Xylene                    | 0.100     | 0.08784   |           | mg/Kg |   | 88   | 70 - 130 |      |  |
|                             | LCS       | LCS       |           |       |   |      |          |      |  |
| Surrogate                   | %Recovery | Qualifier | Limits    |       |   |      |          |      |  |
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130  |       |   |      |          |      |  |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130  |       |   |      |          |      |  |

Lab Sample ID: LCSD 880-86354/2-A

Matrix: Solid

Analysis Batch: 86348

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86354

| Analyte                     | Spike     | LCSD      | LCSD      |       |   |      |          | %Rec |       | RPD |
|-----------------------------|-----------|-----------|-----------|-------|---|------|----------|------|-------|-----|
|                             | Added     | Result    | Qualifier | Unit  | D | %Rec | Limits   | RPD  | Limit |     |
| Benzene                     | 0.100     | 0.09196   |           | mg/Kg |   | 92   | 70 - 130 | 15   | 35    |     |
| Toluene                     | 0.100     | 0.09626   |           | mg/Kg |   | 96   | 70 - 130 | 12   | 35    |     |
| Ethylbenzene                | 0.100     | 0.1237    |           | mg/Kg |   | 124  | 70 - 130 | 15   | 35    |     |
| m-Xylene & p-Xylene         | 0.200     | 0.2237    |           | mg/Kg |   | 112  | 70 - 130 | 18   | 35    |     |
| o-Xylene                    | 0.100     | 0.1048    |           | mg/Kg |   | 105  | 70 - 130 | 18   | 35    |     |
|                             | LCSD      | LCSD      |           |       |   |      |          |      |       |     |
| Surrogate                   | %Recovery | Qualifier | Limits    |       |   |      |          |      |       |     |
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130  |       |   |      |          |      |       |     |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-86354/2-A

Matrix: Solid

Analysis Batch: 86348

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86354

|                            | LCSD      | LCSD      |          |
|----------------------------|-----------|-----------|----------|
| Surrogate                  | %Recovery | Qualifier | Limits   |
| 1,4-Difluorobenzene (Surr) | 95        |           | 70 - 130 |

Lab Sample ID: 880-46248-1 MS

Matrix: Solid

Analysis Batch: 86348

Client Sample ID: CSB-034-2.0-20240719

Prep Type: Total/NA

Prep Batch: 86354

|                     | Sample   | Sample    | Spike | MS      | MS        |       |   | %Rec |          |
|---------------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|
| Analyte             | Result   | Qualifier | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   |
| Benzene             | <0.00200 | U         | 0.100 | 0.08921 |           | mg/Kg |   | 89   | 70 - 130 |
| Toluene             | <0.00200 | U         | 0.100 | 0.09525 |           | mg/Kg |   | 95   | 70 - 130 |
| Ethylbenzene        | <0.00200 | U         | 0.100 | 0.1209  |           | mg/Kg |   | 121  | 70 - 130 |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.200 | 0.2219  |           | mg/Kg |   | 111  | 70 - 130 |
| o-Xylene            | <0.00200 | U         | 0.100 | 0.1041  |           | mg/Kg |   | 104  | 70 - 130 |

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 |

Lab Sample ID: 880-46248-1 MSD

Matrix: Solid

Analysis Batch: 86348

Client Sample ID: CSB-034-2.0-20240719

Prep Type: Total/NA

Prep Batch: 86354

|                     | Sample   | Sample    | Spike | MSD     | MSD       |       |   | %Rec |          | RPD |       |
|---------------------|----------|-----------|-------|---------|-----------|-------|---|------|----------|-----|-------|
| Analyte             | Result   | Qualifier | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Benzene             | <0.00200 | U         | 0.100 | 0.09436 |           | mg/Kg |   | 94   | 70 - 130 | 6   | 35    |
| Toluene             | <0.00200 | U         | 0.100 | 0.1008  |           | mg/Kg |   | 101  | 70 - 130 | 6   | 35    |
| Ethylbenzene        | <0.00200 | U         | 0.100 | 0.1255  |           | mg/Kg |   | 126  | 70 - 130 | 4   | 35    |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.200 | 0.2328  |           | mg/Kg |   | 116  | 70 - 130 | 5   | 35    |
| o-Xylene            | <0.00200 | U         | 0.100 | 0.1097  |           | mg/Kg |   | 110  | 70 - 130 | 5   | 35    |

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-86193/1-A

Matrix: Solid

Analysis Batch: 86226

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86193

|                                      | MB     | MB        |      |       |   |                |                |     |     |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|-----|-----|
| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil | Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 07/19/24 16:21 | 07/22/24 09:13 |     | 1   |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 07/19/24 16:21 | 07/22/24 09:13 |     | 1   |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | mg/Kg |   | 07/19/24 16:21 | 07/22/24 09:13 |     | 1   |

|                | MB        | MB        |          |                |                |     |     |  |  |
|----------------|-----------|-----------|----------|----------------|----------------|-----|-----|--|--|
| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil | Fac |  |  |
| 1-Chlorooctane | 92        |           | 70 - 130 | 07/19/24 16:21 | 07/22/24 09:13 |     | 1   |  |  |
| o-Terphenyl    | 87        |           | 70 - 130 | 07/19/24 16:21 | 07/22/24 09:13 |     | 1   |  |  |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-86193/2-A

Matrix: Solid

Analysis Batch: 86226

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86193

| Analyte                              | Spike Added | LCS Result    | LCS Qualifier | Unit     | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|---------------|---------------|----------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 935.4         |               | mg/Kg    |   | 94   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 765.4         |               | mg/Kg    |   | 77   | 70 - 130    |
|                                      |             |               |               |          |   |      |             |
|                                      |             | LCS %Recovery | LCS Qualifier | Limits   |   |      |             |
| Surrogate                            |             |               |               |          |   |      |             |
| 1-Chlorooctane                       |             | 87            |               | 70 - 130 |   |      |             |
| o-Terphenyl                          |             | 73            |               | 70 - 130 |   |      |             |

Lab Sample ID: LCSD 880-86193/3-A

Matrix: Solid

Analysis Batch: 86226

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86193

| Analyte                              | Spike Added | LCSD Result    | LCSD Qualifier | Unit     | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|----------------|----------------|----------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1130           |                | mg/Kg    |   | 113  | 70 - 130    | 19  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1160           | *1             | mg/Kg    |   | 116  | 70 - 130    | 41  | 20        |
|                                      |             |                |                |          |   |      |             |     |           |
|                                      |             | LCSD %Recovery | LCSD Qualifier | Limits   |   |      |             |     |           |
| Surrogate                            |             |                |                |          |   |      |             |     |           |
| 1-Chlorooctane                       |             | 133            | S1+            | 70 - 130 |   |      |             |     |           |
| o-Terphenyl                          |             | 112            |                | 70 - 130 |   |      |             |     |           |

Lab Sample ID: MB 880-86231/1-A

Matrix: Solid

Analysis Batch: 86270

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86231

| Analyte                              | MB Result | MB Qualifier | RL           | Unit     | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|--------------|----------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0         | mg/Kg    |   | 07/22/24 09:20 | 07/22/24 09:55 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0         | mg/Kg    |   | 07/22/24 09:20 | 07/22/24 09:55 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0         | mg/Kg    |   | 07/22/24 09:20 | 07/22/24 09:55 | 1       |
|                                      |           |              |              |          |   |                |                |         |
|                                      |           | MB %Recovery | MB Qualifier | Limits   |   | Prepared       | Analyzed       | Dil Fac |
| Surrogate                            |           |              |              |          |   |                |                |         |
| 1-Chlorooctane                       |           | 89           |              | 70 - 130 |   | 07/22/24 09:20 | 07/22/24 09:55 | 1       |
| o-Terphenyl                          |           | 82           |              | 70 - 130 |   | 07/22/24 09:20 | 07/22/24 09:55 | 1       |

Lab Sample ID: LCS 880-86231/2-A

Matrix: Solid

Analysis Batch: 86270

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86231

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1171       |               | mg/Kg |   | 117  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 922.2      |               | mg/Kg |   | 92   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-86231/2-A

Matrix: Solid

Analysis Batch: 86270

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86231

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 90        |           | 70 - 130 |
| o-Terphenyl    | 82        |           | 70 - 130 |

Lab Sample ID: LCSD 880-86231/3-A

Matrix: Solid

Analysis Batch: 86270

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86231

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1061        |                | mg/Kg |   | 106  | 70 - 130    | 10  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 820.6       |                | mg/Kg |   | 82   | 70 - 130    | 12  | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 97        |           | 70 - 130 |
| o-Terphenyl    | 88        |           | 70 - 130 |

Lab Sample ID: 880-46248-6 MS

Matrix: Solid

Analysis Batch: 86270

Client Sample ID: CSB-055-2.0-20240719

Prep Type: Total/NA

Prep Batch: 86231

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.6         | U                | 999         | 792.0     |              | mg/Kg |   | 79   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <49.6         | U F1             | 999         | 653.7     | F1           | mg/Kg |   | 65   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 86        |           | 70 - 130 |
| o-Terphenyl    | 81        |           | 70 - 130 |

Lab Sample ID: 880-46248-6 MSD

Matrix: Solid

Analysis Batch: 86270

Client Sample ID: CSB-055-2.0-20240719

Prep Type: Total/NA

Prep Batch: 86231

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.6         | U                | 999         | 829.3      |               | mg/Kg |   | 83   | 70 - 130    | 5   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.6         | U F1             | 999         | 645.5      | F1            | mg/Kg |   | 65   | 70 - 130    | 1   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 90        |           | 70 - 130 |
| o-Terphenyl    | 83        |           | 70 - 130 |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-86239/1-A

Matrix: Solid

Analysis Batch: 86250

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 | mg/Kg |   |          | 07/22/24 16:06 | 1       |

Lab Sample ID: LCS 880-86239/2-A

Matrix: Solid

Analysis Batch: 86250

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 242.0         |                  | mg/Kg |   | 97   | 90 - 110       |

Lab Sample ID: LCSD 880-86239/3-A

Matrix: Solid

Analysis Batch: 86250

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 242.6          |                   | mg/Kg |   | 97   | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-46248-1 MS

Matrix: Solid

Analysis Batch: 86250

Client Sample ID: CSB-034-2.0-20240719

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 929              | F1                  | 1240           | 2418         | F1              | mg/Kg |   | 120  | 90 - 110       |

Lab Sample ID: 880-46248-1 MSD

Matrix: Solid

Analysis Batch: 86250

Client Sample ID: CSB-034-2.0-20240719

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 929              | F1                  | 1240           | 2429          | F1               | mg/Kg |   | 121  | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-46248-11 MS

Matrix: Solid

Analysis Batch: 86250

Client Sample ID: CSB-056-2.0-20240719

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 669              |                     | 251            | 932.5        |                 | mg/Kg |   | 105  | 90 - 110       |

Lab Sample ID: 880-46248-11 MSD

Matrix: Solid

Analysis Batch: 86250

Client Sample ID: CSB-056-2.0-20240719

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 669              |                     | 251            | 931.5         |                  | mg/Kg |   | 105  | 90 - 110       | 0   | 20           |

Lab Sample ID: MB 880-86285/1-A

Matrix: Solid

Analysis Batch: 86293

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 | mg/Kg |   |          | 07/23/24 12:11 | 1       |

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QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Method: 300.0 - Anions, Ion Chromatography

|                                  |  |  |             |            |               |                                      |   |      |             |  |  |
|----------------------------------|--|--|-------------|------------|---------------|--------------------------------------|---|------|-------------|--|--|
| Lab Sample ID: LCS 880-86285/2-A |  |  |             |            |               | Client Sample ID: Lab Control Sample |   |      |             |  |  |
| Matrix: Solid                    |  |  |             |            |               | Prep Type: Soluble                   |   |      |             |  |  |
| Analysis Batch: 86293            |  |  |             |            |               |                                      |   |      |             |  |  |
| Analyte                          |  |  | Spike Added | LCS Result | LCS Qualifier | Unit                                 | D | %Rec | %Rec Limits |  |  |
| Chloride                         |  |  | 250         | 245.2      |               | mg/Kg                                |   | 98   | 90 - 110    |  |  |

|                                   |  |  |             |             |                |                                          |   |      |             |     |           |
|-----------------------------------|--|--|-------------|-------------|----------------|------------------------------------------|---|------|-------------|-----|-----------|
| Lab Sample ID: LCSD 880-86285/3-A |  |  |             |             |                | Client Sample ID: Lab Control Sample Dup |   |      |             |     |           |
| Matrix: Solid                     |  |  |             |             |                | Prep Type: Soluble                       |   |      |             |     |           |
| Analysis Batch: 86293             |  |  |             |             |                |                                          |   |      |             |     |           |
| Analyte                           |  |  | Spike Added | LCSD Result | LCSD Qualifier | Unit                                     | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Chloride                          |  |  | 250         | 246.1       |                | mg/Kg                                    |   | 98   | 90 - 110    | 0   | 20        |

|                                |               |                  |             |           |              |                                        |   |      |             |  |  |
|--------------------------------|---------------|------------------|-------------|-----------|--------------|----------------------------------------|---|------|-------------|--|--|
| Lab Sample ID: 880-46248-21 MS |               |                  |             |           |              | Client Sample ID: CSB-093-2.0-20240719 |   |      |             |  |  |
| Matrix: Solid                  |               |                  |             |           |              | Prep Type: Soluble                     |   |      |             |  |  |
| Analysis Batch: 86293          |               |                  |             |           |              |                                        |   |      |             |  |  |
| Analyte                        | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit                                   | D | %Rec | %Rec Limits |  |  |
| Chloride                       | 841           | F1               | 1260        | 2441      | F1           | mg/Kg                                  |   | 127  | 90 - 110    |  |  |

|                                 |               |                  |             |            |               |                                        |   |      |             |     |           |
|---------------------------------|---------------|------------------|-------------|------------|---------------|----------------------------------------|---|------|-------------|-----|-----------|
| Lab Sample ID: 880-46248-21 MSD |               |                  |             |            |               | Client Sample ID: CSB-093-2.0-20240719 |   |      |             |     |           |
| Matrix: Solid                   |               |                  |             |            |               | Prep Type: Soluble                     |   |      |             |     |           |
| Analysis Batch: 86293           |               |                  |             |            |               |                                        |   |      |             |     |           |
| Analyte                         | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit                                   | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Chloride                        | 841           | F1               | 1260        | 2452       | F1            | mg/Kg                                  |   | 128  | 90 - 110    | 0   | 20        |



## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

## GC VOA

## Analysis Batch: 86224

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46248-6        | CSB-055-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86249      |
| 880-46248-7        | CSB-036-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86249      |
| 880-46248-8        | CSB-037-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86249      |
| 880-46248-9        | CSB-046-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86249      |
| 880-46248-10       | CSB-047-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86249      |
| 880-46248-11       | CSB-056-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86249      |
| 880-46248-12       | CSB-057-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86249      |
| 880-46248-13       | CSB-065-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86249      |
| 880-46248-14       | CSB-066-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86249      |
| 880-46248-15       | CSB-067-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86249      |
| MB 880-86249/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 86249      |
| LCS 880-86249/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 86249      |
| LCSD 880-86249/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 86249      |
| 880-46248-6 MS     | CSB-055-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86249      |
| 880-46248-6 MSD    | CSB-055-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86249      |

## Prep Batch: 86249

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46248-6        | CSB-055-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-7        | CSB-036-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-8        | CSB-037-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-9        | CSB-046-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-10       | CSB-047-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-11       | CSB-056-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-12       | CSB-057-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-13       | CSB-065-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-14       | CSB-066-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-15       | CSB-067-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| MB 880-86249/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-86249/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-86249/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-46248-6 MS     | CSB-055-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-6 MSD    | CSB-055-2.0-20240719   | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 86346

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46248-16       | CSB-074-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86350      |
| 880-46248-17       | CSB-075-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86350      |
| 880-46248-18       | CSB-076-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86350      |
| 880-46248-19       | CSB-084-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86350      |
| 880-46248-20       | CSB-085-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86350      |
| 880-46248-21       | CSB-093-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86350      |
| 880-46248-22       | CSB-094-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86350      |
| 880-46248-23       | CSB-076-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86350      |
| MB 880-86350/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 86350      |
| LCS 880-86350/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 86350      |
| LCSD 880-86350/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 86350      |
| 880-46248-16 MS    | CSB-074-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86350      |
| 880-46248-16 MSD   | CSB-074-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86350      |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

## GC VOA

## Analysis Batch: 86348

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46248-1        | CSB-034-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86354      |
| 880-46248-2        | CSB-035-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86354      |
| 880-46248-3        | CSB-044-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86354      |
| 880-46248-4        | CSB-045-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86354      |
| 880-46248-5        | CSB-054-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86354      |
| MB 880-86354/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 86354      |
| LCS 880-86354/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 86354      |
| LCSD 880-86354/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 86354      |
| 880-46248-1 MS     | CSB-034-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86354      |
| 880-46248-1 MSD    | CSB-034-2.0-20240719   | Total/NA  | Solid  | 8021B  | 86354      |

## Prep Batch: 86350

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46248-16       | CSB-074-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-17       | CSB-075-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-18       | CSB-076-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-19       | CSB-084-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-20       | CSB-085-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-21       | CSB-093-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-22       | CSB-094-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-23       | CSB-076-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| MB 880-86350/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-86350/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-86350/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-46248-16 MS    | CSB-074-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-16 MSD   | CSB-074-2.0-20240719   | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 86354

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46248-1        | CSB-034-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-2        | CSB-035-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-3        | CSB-044-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-4        | CSB-045-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-5        | CSB-054-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| MB 880-86354/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-86354/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-86354/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-46248-1 MS     | CSB-034-2.0-20240719   | Total/NA  | Solid  | 5035   |            |
| 880-46248-1 MSD    | CSB-034-2.0-20240719   | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 86369

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method     | Prep Batch |
|---------------|----------------------|-----------|--------|------------|------------|
| 880-46248-1   | CSB-034-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-2   | CSB-035-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-3   | CSB-044-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-4   | CSB-045-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-5   | CSB-054-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-6   | CSB-055-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-7   | CSB-036-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-8   | CSB-037-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-9   | CSB-046-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

## GC VOA (Continued)

## Analysis Batch: 86369 (Continued)

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method     | Prep Batch |
|---------------|----------------------|-----------|--------|------------|------------|
| 880-46248-10  | CSB-047-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-11  | CSB-056-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-12  | CSB-057-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-13  | CSB-065-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-14  | CSB-066-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-15  | CSB-067-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-16  | CSB-074-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-17  | CSB-075-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-18  | CSB-076-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-19  | CSB-084-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-20  | CSB-085-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-21  | CSB-093-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-22  | CSB-094-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |
| 880-46248-23  | CSB-076-2.0-20240719 | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 86193

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-46248-1        | CSB-034-2.0-20240719   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-2        | CSB-035-2.0-20240719   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-3        | CSB-044-2.0-20240719   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-4        | CSB-045-2.0-20240719   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-5        | CSB-054-2.0-20240719   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-86193/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-86193/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-86193/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 86226

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46248-1        | CSB-034-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86193      |
| 880-46248-2        | CSB-035-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86193      |
| 880-46248-3        | CSB-044-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86193      |
| 880-46248-4        | CSB-045-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86193      |
| 880-46248-5        | CSB-054-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86193      |
| MB 880-86193/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 86193      |
| LCS 880-86193/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 86193      |
| LCSD 880-86193/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 86193      |

## Prep Batch: 86231

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method      | Prep Batch |
|---------------|----------------------|-----------|--------|-------------|------------|
| 880-46248-6   | CSB-055-2.0-20240719 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-7   | CSB-036-2.0-20240719 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-8   | CSB-037-2.0-20240719 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-9   | CSB-046-2.0-20240719 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-10  | CSB-047-2.0-20240719 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-11  | CSB-056-2.0-20240719 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-12  | CSB-057-2.0-20240719 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-13  | CSB-065-2.0-20240719 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-14  | CSB-066-2.0-20240719 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-15  | CSB-067-2.0-20240719 | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

## GC Semi VOA (Continued)

## Prep Batch: 86231 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-46248-16       | CSB-074-2.0-20240719   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-17       | CSB-075-2.0-20240719   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-18       | CSB-076-2.0-20240719   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-19       | CSB-084-2.0-20240719   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-20       | CSB-085-2.0-20240719   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-21       | CSB-093-2.0-20240719   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-22       | CSB-094-2.0-20240719   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-23       | CSB-076-2.0-20240719   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-86231/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-86231/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-86231/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-6 MS     | CSB-055-2.0-20240719   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46248-6 MSD    | CSB-055-2.0-20240719   | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 86270

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46248-6        | CSB-055-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-7        | CSB-036-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-8        | CSB-037-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-9        | CSB-046-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-10       | CSB-047-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-11       | CSB-056-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-12       | CSB-057-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-13       | CSB-065-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-14       | CSB-066-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-15       | CSB-067-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-16       | CSB-074-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-17       | CSB-075-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-18       | CSB-076-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-19       | CSB-084-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-20       | CSB-085-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-21       | CSB-093-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-22       | CSB-094-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-23       | CSB-076-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| MB 880-86231/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 86231      |
| LCS 880-86231/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 86231      |
| LCSD 880-86231/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-6 MS     | CSB-055-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |
| 880-46248-6 MSD    | CSB-055-2.0-20240719   | Total/NA  | Solid  | 8015B NM | 86231      |

## Analysis Batch: 86379

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method  | Prep Batch |
|---------------|----------------------|-----------|--------|---------|------------|
| 880-46248-1   | CSB-034-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-2   | CSB-035-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-3   | CSB-044-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-4   | CSB-045-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-5   | CSB-054-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-6   | CSB-055-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-7   | CSB-036-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-8   | CSB-037-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-9   | CSB-046-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

## GC Semi VOA (Continued)

## Analysis Batch: 86379 (Continued)

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method  | Prep Batch |
|---------------|----------------------|-----------|--------|---------|------------|
| 880-46248-10  | CSB-047-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-11  | CSB-056-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-12  | CSB-057-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-13  | CSB-065-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-14  | CSB-066-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-15  | CSB-067-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-16  | CSB-074-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-17  | CSB-075-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-18  | CSB-076-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-19  | CSB-084-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-20  | CSB-085-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-21  | CSB-093-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-22  | CSB-094-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |
| 880-46248-23  | CSB-076-2.0-20240719 | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 86239

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46248-1        | CSB-034-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-2        | CSB-035-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-3        | CSB-044-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-4        | CSB-045-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-5        | CSB-054-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-6        | CSB-055-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-7        | CSB-036-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-8        | CSB-037-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-9        | CSB-046-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-10       | CSB-047-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-11       | CSB-056-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-12       | CSB-057-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-13       | CSB-065-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-14       | CSB-066-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-15       | CSB-067-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-16       | CSB-074-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-17       | CSB-075-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-18       | CSB-076-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-19       | CSB-084-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-20       | CSB-085-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| MB 880-86239/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-86239/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-86239/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-46248-1 MS     | CSB-034-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-1 MSD    | CSB-034-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-11 MS    | CSB-056-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-11 MSD   | CSB-056-2.0-20240719   | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 86250

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method | Prep Batch |
|---------------|----------------------|-----------|--------|--------|------------|
| 880-46248-1   | CSB-034-2.0-20240719 | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-2   | CSB-035-2.0-20240719 | Soluble   | Solid  | 300.0  | 86239      |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

## HPLC/IC (Continued)

## Analysis Batch: 86250 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46248-3        | CSB-044-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-4        | CSB-045-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-5        | CSB-054-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-6        | CSB-055-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-7        | CSB-036-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-8        | CSB-037-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-9        | CSB-046-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-10       | CSB-047-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-11       | CSB-056-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-12       | CSB-057-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-13       | CSB-065-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-14       | CSB-066-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-15       | CSB-067-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-16       | CSB-074-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-17       | CSB-075-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-18       | CSB-076-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-19       | CSB-084-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-20       | CSB-085-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| MB 880-86239/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 86239      |
| LCS 880-86239/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 86239      |
| LCSD 880-86239/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-1 MS     | CSB-034-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-1 MSD    | CSB-034-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-11 MS    | CSB-056-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |
| 880-46248-11 MSD   | CSB-056-2.0-20240719   | Soluble   | Solid  | 300.0  | 86239      |

## Leach Batch: 86285

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46248-21       | CSB-093-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-22       | CSB-094-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-23       | CSB-076-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| MB 880-86285/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-86285/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-86285/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-46248-21 MS    | CSB-093-2.0-20240719   | Soluble   | Solid  | DI Leach |            |
| 880-46248-21 MSD   | CSB-093-2.0-20240719   | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 86293

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46248-21       | CSB-093-2.0-20240719   | Soluble   | Solid  | 300.0  | 86285      |
| 880-46248-22       | CSB-094-2.0-20240719   | Soluble   | Solid  | 300.0  | 86285      |
| 880-46248-23       | CSB-076-2.0-20240719   | Soluble   | Solid  | 300.0  | 86285      |
| MB 880-86285/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 86285      |
| LCS 880-86285/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 86285      |
| LCSD 880-86285/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 86285      |
| 880-46248-21 MS    | CSB-093-2.0-20240719   | Soluble   | Solid  | 300.0  | 86285      |
| 880-46248-21 MSD   | CSB-093-2.0-20240719   | Soluble   | Solid  | 300.0  | 86285      |

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Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-034-2.0-20240719  
Date Collected: 07/19/24 09:18  
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 86354        | 07/23/24 09:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86348        | 07/23/24 11:49       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/23/24 11:49       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 16:40       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 86193        | 07/19/24 16:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86226        | 07/22/24 16:40       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 86250        | 07/22/24 16:22       | SMC     | EET MID |

Client Sample ID: CSB-035-2.0-20240719  
Date Collected: 07/19/24 09:20  
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 86354        | 07/23/24 09:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86348        | 07/23/24 12:10       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/23/24 12:10       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 16:55       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 86193        | 07/19/24 16:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86226        | 07/22/24 16:55       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 86250        | 07/22/24 16:38       | SMC     | EET MID |

Client Sample ID: CSB-044-2.0-20240719  
Date Collected: 07/19/24 09:22  
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 86354        | 07/23/24 09:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86348        | 07/23/24 12:30       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/23/24 12:30       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 17:09       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 86193        | 07/19/24 16:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86226        | 07/22/24 17:09       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 86250        | 07/22/24 16:43       | SMC     | EET MID |

Client Sample ID: CSB-045-2.0-20240719  
Date Collected: 07/19/24 09:24  
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 86354        | 07/23/24 09:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86348        | 07/23/24 12:51       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/23/24 12:51       | SM      | EET MID |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-045-2.0-20240719

Lab Sample ID: 880-46248-4

Date Collected: 07/19/24 09:24

Matrix: Solid

Date Received: 07/22/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 17:25       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 86193        | 07/19/24 16:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86226        | 07/22/24 17:25       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86250        | 07/22/24 16:48       | SMC     | EET MID |

Client Sample ID: CSB-054-2.0-20240719

Lab Sample ID: 880-46248-5

Date Collected: 07/19/24 09:26

Matrix: Solid

Date Received: 07/22/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 86354        | 07/23/24 09:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86348        | 07/23/24 13:11       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/23/24 13:11       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 17:40       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 86193        | 07/19/24 16:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86226        | 07/22/24 17:40       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86250        | 07/22/24 16:53       | SMC     | EET MID |

Client Sample ID: CSB-055-2.0-20240719

Lab Sample ID: 880-46248-6

Date Collected: 07/19/24 09:28

Matrix: Solid

Date Received: 07/22/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 86249        | 07/22/24 10:03       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86224        | 07/22/24 12:32       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/22/24 12:32       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 12:44       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.08 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 12:44       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 86250        | 07/22/24 17:09       | SMC     | EET MID |

Client Sample ID: CSB-036-2.0-20240719

Lab Sample ID: 880-46248-7

Date Collected: 07/19/24 12:20

Matrix: Solid

Date Received: 07/22/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 86249        | 07/22/24 10:03       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86224        | 07/22/24 12:53       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/22/24 12:53       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 13:33       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 13:33       | TKC     | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-036-2.0-20240719  
Date Collected: 07/19/24 12:20  
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-7  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 86250        | 07/22/24 17:14       | SMC     | EET MID |

Client Sample ID: CSB-037-2.0-20240719  
Date Collected: 07/19/24 12:22  
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-8  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 86249        | 07/22/24 10:03       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86224        | 07/22/24 13:13       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/22/24 13:13       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 13:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 13:48       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86250        | 07/22/24 17:20       | SMC     | EET MID |

Client Sample ID: CSB-046-2.0-20240719  
Date Collected: 07/19/24 12:24  
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-9  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 86249        | 07/22/24 10:03       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86224        | 07/22/24 13:33       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/22/24 13:33       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 14:05       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.07 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 14:05       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86250        | 07/22/24 17:25       | SMC     | EET MID |

Client Sample ID: CSB-047-2.0-20240719  
Date Collected: 07/19/24 12:26  
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-10  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 86249        | 07/22/24 10:03       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86224        | 07/22/24 13:54       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/22/24 13:54       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 14:21       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 14:21       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 86250        | 07/22/24 17:30       | SMC     | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-056-2.0-20240719  
Date Collected: 07/19/24 12:28  
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-11  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 86249        | 07/22/24 10:03       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86224        | 07/22/24 14:14       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/22/24 14:14       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 14:38       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 14:38       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86250        | 07/22/24 17:35       | SMC     | EET MID |

Client Sample ID: CSB-057-2.0-20240719  
Date Collected: 07/19/24 12:30  
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-12  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 86249        | 07/22/24 10:03       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86224        | 07/22/24 14:35       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/22/24 14:35       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 14:54       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 14:54       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86250        | 07/22/24 17:51       | SMC     | EET MID |

Client Sample ID: CSB-065-2.0-20240719  
Date Collected: 07/19/24 12:32  
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-13  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 86249        | 07/22/24 10:03       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86224        | 07/22/24 14:55       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/22/24 14:55       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 15:09       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 15:09       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86250        | 07/22/24 17:56       | SMC     | EET MID |

Client Sample ID: CSB-066-2.0-20240719  
Date Collected: 07/19/24 12:34  
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-14  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 86249        | 07/22/24 10:03       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86224        | 07/22/24 15:16       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/22/24 15:16       | SM      | EET MID |

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Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-066-2.0-20240719  
Date Collected: 07/19/24 12:34  
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-14  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 15:26       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 15:26       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86250        | 07/22/24 18:12       | SMC     | EET MID |

Client Sample ID: CSB-067-2.0-20240719  
Date Collected: 07/19/24 12:36  
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-15  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 86249        | 07/22/24 10:03       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86224        | 07/22/24 15:36       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/22/24 15:36       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 15:42       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 15:42       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86250        | 07/22/24 18:17       | SMC     | EET MID |

Client Sample ID: CSB-074-2.0-20240719  
Date Collected: 07/19/24 12:38  
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-16  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 86350        | 07/23/24 08:34       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86346        | 07/23/24 11:49       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/23/24 11:49       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 16:15       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 16:15       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 86250        | 07/22/24 18:23       | SMC     | EET MID |

Client Sample ID: CSB-075-2.0-20240719  
Date Collected: 07/19/24 12:40  
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-17  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 86350        | 07/23/24 08:34       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86346        | 07/23/24 12:09       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/23/24 12:09       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 16:31       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 16:31       | TKC     | EET MID |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-075-2.0-20240719

Lab Sample ID: 880-46248-17

Date Collected: 07/19/24 12:40

Matrix: Solid

Date Received: 07/22/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86250        | 07/22/24 18:28       | SMC     | EET MID |

Client Sample ID: CSB-076-2.0-20240719

Lab Sample ID: 880-46248-18

Date Collected: 07/19/24 12:42

Matrix: Solid

Date Received: 07/22/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 86350        | 07/23/24 08:34       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86346        | 07/23/24 12:29       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/23/24 12:29       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 16:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 16:48       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86250        | 07/22/24 18:33       | SMC     | EET MID |

Client Sample ID: CSB-084-2.0-20240719

Lab Sample ID: 880-46248-19

Date Collected: 07/19/24 12:44

Matrix: Solid

Date Received: 07/22/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 86350        | 07/23/24 08:34       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86346        | 07/23/24 12:50       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/23/24 12:50       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 17:04       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 17:04       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86250        | 07/22/24 18:38       | SMC     | EET MID |

Client Sample ID: CSB-085-2.0-20240719

Lab Sample ID: 880-46248-20

Date Collected: 07/19/24 12:46

Matrix: Solid

Date Received: 07/22/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 86350        | 07/23/24 08:34       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86346        | 07/23/24 13:10       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/23/24 13:10       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 17:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.07 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 17:22       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 86239        | 07/22/24 09:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 86250        | 07/22/24 18:44       | SMC     | EET MID |

Eurofins Midland



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Client Sample ID: CSB-093-2.0-20240719

Lab Sample ID: 880-46248-21

Date Collected: 07/19/24 12:48

Matrix: Solid

Date Received: 07/22/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 86350        | 07/23/24 08:34       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86346        | 07/23/24 13:31       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/23/24 13:31       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 17:38       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 17:38       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 86285        | 07/22/24 13:51       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 86293        | 07/23/24 12:26       | SMC     | EET MID |

Client Sample ID: CSB-094-2.0-20240719

Lab Sample ID: 880-46248-22

Date Collected: 07/19/24 12:50

Matrix: Solid

Date Received: 07/22/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 86350        | 07/23/24 08:34       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86346        | 07/23/24 13:51       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/23/24 13:51       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 17:54       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 17:54       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 86285        | 07/22/24 13:51       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 86293        | 07/23/24 12:42       | SMC     | EET MID |

Client Sample ID: CSB-076-2.0-20240719

Lab Sample ID: 880-46248-23

Date Collected: 07/19/24 00:00

Matrix: Solid

Date Received: 07/22/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 86350        | 07/23/24 08:34       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86346        | 07/23/24 14:12       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86369        | 07/23/24 14:12       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86379        | 07/22/24 18:10       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 86231        | 07/22/24 09:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86270        | 07/22/24 18:10       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 86285        | 07/22/24 13:51       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 86293        | 07/23/24 12:47       | SMC     | EET MID |

## Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |



Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



## Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46248-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       | Depth |
|---------------|----------------------|--------|----------------|----------------|-------|
| 880-46248-1   | CSB-034-2.0-20240719 | Solid  | 07/19/24 09:18 | 07/22/24 08:00 | 2.0   |
| 880-46248-2   | CSB-035-2.0-20240719 | Solid  | 07/19/24 09:20 | 07/22/24 08:00 | 2.0   |
| 880-46248-3   | CSB-044-2.0-20240719 | Solid  | 07/19/24 09:22 | 07/22/24 08:00 | 2.0   |
| 880-46248-4   | CSB-045-2.0-20240719 | Solid  | 07/19/24 09:24 | 07/22/24 08:00 | 2.0   |
| 880-46248-5   | CSB-054-2.0-20240719 | Solid  | 07/19/24 09:26 | 07/22/24 08:00 | 2.0   |
| 880-46248-6   | CSB-055-2.0-20240719 | Solid  | 07/19/24 09:28 | 07/22/24 08:00 | 2.0   |
| 880-46248-7   | CSB-036-2.0-20240719 | Solid  | 07/19/24 12:20 | 07/22/24 08:00 | 2.0   |
| 880-46248-8   | CSB-037-2.0-20240719 | Solid  | 07/19/24 12:22 | 07/22/24 08:00 | 2.0   |
| 880-46248-9   | CSB-046-2.0-20240719 | Solid  | 07/19/24 12:24 | 07/22/24 08:00 | 2.0   |
| 880-46248-10  | CSB-047-2.0-20240719 | Solid  | 07/19/24 12:26 | 07/22/24 08:00 | 2.0   |
| 880-46248-11  | CSB-056-2.0-20240719 | Solid  | 07/19/24 12:28 | 07/22/24 08:00 | 2.0   |
| 880-46248-12  | CSB-057-2.0-20240719 | Solid  | 07/19/24 12:30 | 07/22/24 08:00 | 2.0   |
| 880-46248-13  | CSB-065-2.0-20240719 | Solid  | 07/19/24 12:32 | 07/22/24 08:00 | 2.0   |
| 880-46248-14  | CSB-066-2.0-20240719 | Solid  | 07/19/24 12:34 | 07/22/24 08:00 | 2.0   |
| 880-46248-15  | CSB-067-2.0-20240719 | Solid  | 07/19/24 12:36 | 07/22/24 08:00 | 2.0   |
| 880-46248-16  | CSB-074-2.0-20240719 | Solid  | 07/19/24 12:38 | 07/22/24 08:00 | 2.0   |
| 880-46248-17  | CSB-075-2.0-20240719 | Solid  | 07/19/24 12:40 | 07/22/24 08:00 | 2.0   |
| 880-46248-18  | CSB-076-2.0-20240719 | Solid  | 07/19/24 12:42 | 07/22/24 08:00 | 2.0   |
| 880-46248-19  | CSB-084-2.0-20240719 | Solid  | 07/19/24 12:44 | 07/22/24 08:00 | 2.0   |
| 880-46248-20  | CSB-085-2.0-20240719 | Solid  | 07/19/24 12:46 | 07/22/24 08:00 | 2.0   |
| 880-46248-21  | CSB-093-2.0-20240719 | Solid  | 07/19/24 12:48 | 07/22/24 08:00 | 2.0   |
| 880-46248-22  | CSB-094-2.0-20240719 | Solid  | 07/19/24 12:50 | 07/22/24 08:00 | 2.0   |
| 880-46248-23  | CSB-076-2.0-20240719 | Solid  | 07/19/24 00:00 | 07/22/24 08:00 | 2.0   |





## Environment Testing

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
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 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5060

Work Order

Page 1 of 3

|                  |                          |                         |                         |
|------------------|--------------------------|-------------------------|-------------------------|
| Project Manager: | Brad Wynne               | Bill to: (if different) |                         |
| Company Name:    | AECom                    | Company Name:           |                         |
| Address:         | 13355 Noel Rd. Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas, TX 75240         | City, State ZIP:        |                         |
| Phone:           | 214-971-1829             | Email:                  | Bradley.Wynne@AECom.com |

|                   |                    |                                                                           |       |
|-------------------|--------------------|---------------------------------------------------------------------------|-------|
| Project Name:     | Amoco CTB          | Turn Around                                                               |       |
| Project Number:   | 60734207           | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |       |
| Project Location: | Loving, NM         | Due Date:                                                                 | 24 hr |
| Sampler's Name:   | J. Lovey, B. Clend | TAT starts the day received by the lab, if received by 4:30pm             |       |
| PO #:             |                    |                                                                           |       |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | Parameters |    | Pres. Code |
|-----------------------|--------|--------------|--------------|-------|-----------|------------|----|------------|
|                       |        |              |              |       |           | Yes        | No |            |
| CSB-034-2.0-20240719  | S      | 7/19/24      | 0918         | 2.0   | C         |            |    |            |
| CSB-035-2.0-20240719  | S      |              | 0920         |       |           |            |    |            |
| CSB-044-2.0-20240719  |        |              | 0922         |       |           |            |    |            |
| CSB-045-2.0-20240719  |        |              | 0924         |       |           |            |    |            |
| CSB-054-2.0-20240719  |        |              | 0926         |       |           |            |    |            |
| CSB-055-2.0-20240719  |        |              | 0928         |       |           |            |    |            |
| CSB-036-2.0-20240719  |        |              | 1220         |       |           |            |    |            |
| CSB-037-2.0-20240719  |        |              | 1222         |       |           |            |    |            |
| CSB-046-2.0-20240719  |        |              | 1224         |       |           |            |    |            |
| CSB-047-2.0-20240719  |        |              | 1226         |       |           |            |    |            |

|                                              |                                                                                                       |               |                                                                                                                    |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------|
| Total                                        | 200.7 / 6010                                                                                          | 200.8 / 6020: | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SIO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |               |                                                                                                                    |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| 1. <i>[Signature]</i>        |                          | 7/19/24 1630 |                              |                          |           |
| 3. <i>[Signature]</i>        |                          |              |                              |                          |           |
| 5. <i>[Signature]</i>        |                          |              |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2





## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
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EL Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5080

## Environment Testing

Work Order No: 46248

Page 2 of 3

|                                   |                                |                                                                                                                                                                                  |  |
|-----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Project Manager: Brad Wynne       | Bill to: (if different)        | Work Order Comments                                                                                                                                                              |  |
| Company Name: AECom               | Company Name:                  | Program: <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>              |  |
| Address: 13355 Noel Rd. Suite 400 | Address:                       | State of Project: N.M.                                                                                                                                                           |  |
| City, State ZIP: Dallas, TX 75240 | City, State ZIP:               | Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Phone: 214-971-1829               | Email: Bradley.Wynne@AECom.com | Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

| ANALYSIS REQUEST      |        | Preservative Codes |       |
|-----------------------|--------|--------------------|-------|
| Sample Identification | Matrix | Time Sampled       | Depth |
| CSB-056-2.0-20240719  | S      | 7/19/24 1228       | 2.0   |
| CSB-057-2.0-20240719  | S      | 1230               |       |
| CSB-065-2.0-20240719  | S      | 1232               |       |
| CSB-066-2.0-20240719  | S      | 1234               |       |
| CSB-067-2.0-20240719  | S      | 1236               |       |
| CSB-074-2.0-20240719  | S      | 1238               |       |
| CSB-075-2.0-20240719  | S      | 1240               |       |
| CSB-076-2.0-20240719  | S      | 1242               |       |
| CSB-084-2.0-20240719  | S      | 1244               |       |
| CSB-085-2.0-20240719  | S      | 1246               |       |

|                                              |                         |                                                                                                                    |
|----------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020:           | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SIO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA | Hg: 1631 / 245.1 / 7470 / 7471                                                                                     |

Notice: Signatures of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| 1. [Signature] - AECom       | [Signature]              | 7/19/24 1630 |                              |                          |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2





## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
 El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 888-3199  
 Little Rock, AR (501) 224-5060

## Environment Testing

**Work Order No:**

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[illegible]



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46248-1

SDG Number: Loving, NM

Login Number: 46248

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 7/25/2024 3:59:09 PM

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-46398-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
7/25/2024 3:59:09 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-46398-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                      |
|-----------|------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased. |
| U         | Indicates the analyte was analyzed for but not detected.   |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ▫              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-46398-1

**Job ID: 880-46398-1**

**Eurofins Midland**

### Job Narrative 880-46398-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 7/24/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-033-2.0-20240723 (880-46398-1), CSB-043-2.0-20240723 (880-46398-2), CSB-053-2.0-20240723 (880-46398-3), CSB-064-2.0-20240723 (880-46398-4) and CSB-073-2.0-20240723 (880-46398-5).

#### GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-86428 and analytical batch 880-86450 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-86400 and analytical batch 880-86530 was outside the upper control limits.

Method 8015MOD\_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: CSB-064-2.0-20240723 (880-46398-4). Percent recoveries are based on the amount spiked.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

Client Sample ID: CSB-033-2.0-20240723

Lab Sample ID: 880-46398-1

Date Collected: 07/23/24 08:40

Matrix: Solid

Date Received: 07/24/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U **      | 0.00199 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:47 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:47 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:47 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:47 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:47 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:47 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 | 07/24/24 08:23 | 07/24/24 20:47 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 | 07/24/24 08:23 | 07/24/24 20:47 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 07/24/24 20:47 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.1  | U         | 50.1 | mg/Kg |   |          | 07/25/24 13:16 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1  | U         | 50.1 | mg/Kg |   | 07/23/24 14:47 | 07/25/24 13:16 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.1  | U         | 50.1 | mg/Kg |   | 07/23/24 14:47 | 07/25/24 13:16 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.1  | U         | 50.1 | mg/Kg |   | 07/23/24 14:47 | 07/25/24 13:16 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 106       |           | 70 - 130 | 07/23/24 14:47 | 07/25/24 13:16 | 1       |
| o-Terphenyl    | 92        |           | 70 - 130 | 07/23/24 14:47 | 07/25/24 13:16 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1380   |           | 25.2 | mg/Kg |   |          | 07/24/24 18:59 | 5       |

Client Sample ID: CSB-043-2.0-20240723

Lab Sample ID: 880-46398-2

Date Collected: 07/23/24 08:42

Matrix: Solid

Date Received: 07/24/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U **      | 0.00199 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 21:07 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 21:07 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 21:07 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 21:07 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 21:07 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 21:07 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 121       |           | 70 - 130 | 07/24/24 08:23 | 07/24/24 21:07 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 | 07/24/24 08:23 | 07/24/24 21:07 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

Client Sample ID: CSB-043-2.0-20240723

Lab Sample ID: 880-46398-2

Date Collected: 07/23/24 08:42

Matrix: Solid

Date Received: 07/24/24 08:00

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 07/24/24 21:07 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.6  | U         | 49.6 | mg/Kg |   |          | 07/25/24 13:33 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.6     | U         | 49.6     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 13:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.6     | U         | 49.6     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 13:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.6     | U         | 49.6     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 13:33 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 107       |           | 70 - 130 |       |   | 07/23/24 14:47 | 07/25/24 13:33 | 1       |
| o-Terphenyl                          | 96        |           | 70 - 130 |       |   | 07/23/24 14:47 | 07/25/24 13:33 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 886    |           | 5.05 | mg/Kg |   |          | 07/24/24 19:15 | 1       |

Client Sample ID: CSB-053-2.0-20240723

Lab Sample ID: 880-46398-3

Date Collected: 07/23/24 08:44

Matrix: Solid

Date Received: 07/24/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U **      | 0.00200  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 21:28 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 21:28 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 21:28 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 21:28 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 21:28 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 21:28 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 119       |           | 70 - 130 |       |   | 07/24/24 08:23 | 07/24/24 21:28 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 |       |   | 07/24/24 08:23 | 07/24/24 21:28 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 07/24/24 21:28 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 | mg/Kg |   |          | 07/25/24 14:12 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7  | U         | 49.7 | mg/Kg |   | 07/23/24 14:47 | 07/25/24 14:12 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7  | U         | 49.7 | mg/Kg |   | 07/23/24 14:47 | 07/25/24 14:12 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

Client Sample ID: CSB-053-2.0-20240723

Lab Sample ID: 880-46398-3

Date Collected: 07/23/24 08:44

Matrix: Solid

Date Received: 07/24/24 08:00

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.7     | U         | 49.7     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 14:12 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 101       |           | 70 - 130 |       |   | 07/23/24 14:47 | 07/25/24 14:12 | 1       |
| o-Terphenyl                       | 90        |           | 70 - 130 |       |   | 07/23/24 14:47 | 07/25/24 14:12 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 978    |           | 25.0 | mg/Kg |   |          | 07/24/24 19:20 | 5       |

Client Sample ID: CSB-064-2.0-20240723

Lab Sample ID: 880-46398-4

Date Collected: 07/23/24 08:46

Matrix: Solid

Date Received: 07/24/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/24/24 10:00 | 07/24/24 13:11 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/24/24 10:00 | 07/24/24 13:11 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/24/24 10:00 | 07/24/24 13:11 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  | mg/Kg |   | 07/24/24 10:00 | 07/24/24 13:11 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/24/24 10:00 | 07/24/24 13:11 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  | mg/Kg |   | 07/24/24 10:00 | 07/24/24 13:11 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 |       |   | 07/24/24 10:00 | 07/24/24 13:11 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 |       |   | 07/24/24 10:00 | 07/24/24 13:11 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 07/24/24 13:11 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 | mg/Kg |   |          | 07/25/24 14:30 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7     | U         | 49.7     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 14:30 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7     | U         | 49.7     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 14:30 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7     | U         | 49.7     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 14:30 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 244       | S1+       | 70 - 130 |       |   | 07/23/24 14:47 | 07/25/24 14:30 | 1       |
| o-Terphenyl                          | 177       | S1+       | 70 - 130 |       |   | 07/23/24 14:47 | 07/25/24 14:30 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 587    |           | 5.01 | mg/Kg |   |          | 07/24/24 19:36 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

Client Sample ID: CSB-073-2.0-20240723

Lab Sample ID: 880-46398-5

Date Collected: 07/23/24 08:48

Matrix: Solid

Date Received: 07/24/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/24/24 10:00 | 07/24/24 13:32 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/24/24 10:00 | 07/24/24 13:32 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/24/24 10:00 | 07/24/24 13:32 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/24/24 10:00 | 07/24/24 13:32 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/24/24 10:00 | 07/24/24 13:32 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/24/24 10:00 | 07/24/24 13:32 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 | 07/24/24 10:00 | 07/24/24 13:32 | 1       |
| 1,4-Difluorobenzene (Surr)  | 83        |           | 70 - 130 | 07/24/24 10:00 | 07/24/24 13:32 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 07/24/24 13:32 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 07/25/24 14:48 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 07/23/24 14:47 | 07/25/24 14:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 07/23/24 14:47 | 07/25/24 14:48 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 07/23/24 14:47 | 07/25/24 14:48 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 92        |           | 70 - 130 | 07/23/24 14:47 | 07/25/24 14:48 | 1       |
| o-Terphenyl    | 80        |           | 70 - 130 | 07/23/24 14:47 | 07/25/24 14:48 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1660   |           | 25.1 | mg/Kg |   |          | 07/24/24 19:41 | 5       |

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## Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-46398-1                       | CSB-033-2.0-20240723   | 111                                            | 93                |
| 880-46398-2                       | CSB-043-2.0-20240723   | 121                                            | 89                |
| 880-46398-3                       | CSB-053-2.0-20240723   | 119                                            | 92                |
| 880-46398-4                       | CSB-064-2.0-20240723   | 99                                             | 80                |
| 880-46398-4 MS                    | CSB-064-2.0-20240723   | 88                                             | 71                |
| 880-46398-4 MSD                   | CSB-064-2.0-20240723   | 96                                             | 83                |
| 880-46398-5                       | CSB-073-2.0-20240723   | 99                                             | 83                |
| LCS 880-86358/1-A                 | Lab Control Sample     | 91                                             | 82                |
| LCS 880-86428/1-A                 | Lab Control Sample     | 94                                             | 104               |
| LCSD 880-86358/2-A                | Lab Control Sample Dup | 92                                             | 82                |
| LCSD 880-86428/2-A                | Lab Control Sample Dup | 94                                             | 102               |
| MB 880-86358/5-A                  | Method Blank           | 93                                             | 80                |
| MB 880-86428/5-A                  | Method Blank           | 96                                             | 81                |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-46398-1             | CSB-033-2.0-20240723   | 106                                            | 92                |
| 880-46398-2             | CSB-043-2.0-20240723   | 107                                            | 96                |
| 880-46398-3             | CSB-053-2.0-20240723   | 101                                            | 90                |
| 880-46398-4             | CSB-064-2.0-20240723   | 244 S1+                                        | 177 S1+           |
| 880-46398-5             | CSB-073-2.0-20240723   | 92                                             | 80                |
| LCS 880-86400/2-A       | Lab Control Sample     | 88                                             | 83                |
| LCSD 880-86400/3-A      | Lab Control Sample Dup | 92                                             | 86                |
| MB 880-86400/1-A        | Method Blank           | 132 S1+                                        | 123               |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-86358/5-A

Matrix: Solid

Analysis Batch: 86451

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86358

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202     | U               | 0.00202 | mg/Kg |   | 07/24/24 09:37 | 07/24/24 12:49 | 1       |
| Toluene             | <0.00202     | U               | 0.00202 | mg/Kg |   | 07/24/24 09:37 | 07/24/24 12:49 | 1       |
| Ethylbenzene        | <0.00202     | U               | 0.00202 | mg/Kg |   | 07/24/24 09:37 | 07/24/24 12:49 | 1       |
| m-Xylene & p-Xylene | <0.00404     | U               | 0.00404 | mg/Kg |   | 07/24/24 09:37 | 07/24/24 12:49 | 1       |
| o-Xylene            | <0.00202     | U               | 0.00202 | mg/Kg |   | 07/24/24 09:37 | 07/24/24 12:49 | 1       |
| Xylenes, Total      | <0.00404     | U               | 0.00404 | mg/Kg |   | 07/24/24 09:37 | 07/24/24 12:49 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 93              |                 | 70 - 130 | 07/24/24 09:37 | 07/24/24 12:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80              |                 | 70 - 130 | 07/24/24 09:37 | 07/24/24 12:49 | 1       |

Lab Sample ID: LCS 880-86358/1-A

Matrix: Solid

Analysis Batch: 86451

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86358

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.08629       |                  | mg/Kg |   | 86   | 70 - 130       |
| Toluene             | 0.100          | 0.09942       |                  | mg/Kg |   | 99   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.1046        |                  | mg/Kg |   | 105  | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.2160        |                  | mg/Kg |   | 108  | 70 - 130       |
| o-Xylene            | 0.100          | 0.1104        |                  | mg/Kg |   | 110  | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 91               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 82               |                  | 70 - 130 |

Lab Sample ID: LCSD 880-86358/2-A

Matrix: Solid

Analysis Batch: 86451

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86358

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.08697        |                   | mg/Kg |   | 87   | 70 - 130       | 1   | 35           |
| Toluene             | 0.100          | 0.1003         |                   | mg/Kg |   | 100  | 70 - 130       | 1   | 35           |
| Ethylbenzene        | 0.100          | 0.1051         |                   | mg/Kg |   | 105  | 70 - 130       | 1   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2177         |                   | mg/Kg |   | 109  | 70 - 130       | 1   | 35           |
| o-Xylene            | 0.100          | 0.1112         |                   | mg/Kg |   | 111  | 70 - 130       | 1   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 92                |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 82                |                   | 70 - 130 |

Lab Sample ID: 880-46398-4 MS

Matrix: Solid

Analysis Batch: 86451

Client Sample ID: CSB-064-2.0-20240723

Prep Type: Total/NA

Prep Batch: 86358

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00200         | U                   | 0.100          | 0.07578      |                 | mg/Kg |   | 76   | 70 - 130       |
| Toluene | <0.00200         | U                   | 0.100          | 0.09105      |                 | mg/Kg |   | 91   | 70 - 130       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-46398-4 MS

Matrix: Solid

Analysis Batch: 86451

Client Sample ID: CSB-064-2.0-20240723

Prep Type: Total/NA

Prep Batch: 86358

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.09315   |              | mg/Kg |   | 93   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00399      | U                | 0.200       | 0.1934    |              | mg/Kg |   | 97   | 70 - 130    |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.09720   |              | mg/Kg |   | 97   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 88           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 71           |              | 70 - 130 |

Lab Sample ID: 880-46398-4 MSD

Matrix: Solid

Analysis Batch: 86451

Client Sample ID: CSB-064-2.0-20240723

Prep Type: Total/NA

Prep Batch: 86358

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00200      | U                | 0.100       | 0.08146    |               | mg/Kg |   | 81   | 70 - 130    | 7   | 35        |
| Toluene             | <0.00200      | U                | 0.100       | 0.09026    |               | mg/Kg |   | 90   | 70 - 130    | 1   | 35        |
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.08949    |               | mg/Kg |   | 89   | 70 - 130    | 4   | 35        |
| m-Xylene & p-Xylene | <0.00399      | U                | 0.200       | 0.1848     |               | mg/Kg |   | 92   | 70 - 130    | 5   | 35        |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.09572    |               | mg/Kg |   | 96   | 70 - 130    | 2   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 96            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 83            |               | 70 - 130 |

Lab Sample ID: MB 880-86428/5-A

Matrix: Solid

Analysis Batch: 86450

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86428

| Analyte             | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202  | U            | 0.00202 | mg/Kg |   | 07/23/24 16:57 | 07/24/24 12:44 | 1       |
| Toluene             | <0.00202  | U            | 0.00202 | mg/Kg |   | 07/23/24 16:57 | 07/24/24 12:44 | 1       |
| Ethylbenzene        | <0.00202  | U            | 0.00202 | mg/Kg |   | 07/23/24 16:57 | 07/24/24 12:44 | 1       |
| m-Xylene & p-Xylene | <0.00404  | U            | 0.00404 | mg/Kg |   | 07/23/24 16:57 | 07/24/24 12:44 | 1       |
| o-Xylene            | <0.00202  | U            | 0.00202 | mg/Kg |   | 07/23/24 16:57 | 07/24/24 12:44 | 1       |
| Xylenes, Total      | <0.00404  | U            | 0.00404 | mg/Kg |   | 07/23/24 16:57 | 07/24/24 12:44 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 96           |              | 70 - 130 | 07/23/24 16:57 | 07/24/24 12:44 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81           |              | 70 - 130 | 07/23/24 16:57 | 07/24/24 12:44 | 1       |

Lab Sample ID: LCS 880-86428/1-A

Matrix: Solid

Analysis Batch: 86450

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86428

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1316     | *+            | mg/Kg |   | 132  | 70 - 130    |
| Toluene             | 0.100       | 0.1146     |               | mg/Kg |   | 115  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.1176     |               | mg/Kg |   | 118  | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2358     |               | mg/Kg |   | 118  | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-86428/1-A

Matrix: Solid

Analysis Batch: 86450

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86428

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| o-Xylene | 0.100       | 0.1178     |               | mg/Kg |   | 118  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 94            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 104           |               | 70 - 130 |

Lab Sample ID: LCSD 880-86428/2-A

Matrix: Solid

Analysis Batch: 86450

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86428

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.1281      |                | mg/Kg |   | 128  | 70 - 130    | 3   | 35        |
| Toluene             | 0.100       | 0.1118      |                | mg/Kg |   | 112  | 70 - 130    | 2   | 35        |
| Ethylbenzene        | 0.100       | 0.1147      |                | mg/Kg |   | 115  | 70 - 130    | 2   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.2292      |                | mg/Kg |   | 115  | 70 - 130    | 3   | 35        |
| o-Xylene            | 0.100       | 0.1150      |                | mg/Kg |   | 115  | 70 - 130    | 2   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 94             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102            |                | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-86400/1-A

Matrix: Solid

Analysis Batch: 86530

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86400

| Analyte                              | MB Result | MB Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 | mg/Kg |   | 07/23/24 14:47 | 07/25/24 09:10 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 | mg/Kg |   | 07/23/24 14:47 | 07/25/24 09:10 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 | mg/Kg |   | 07/23/24 14:47 | 07/25/24 09:10 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 132          | S1+          | 70 - 130 | 07/23/24 14:47 | 07/25/24 09:10 | 1       |
| o-Terphenyl    | 123          |              | 70 - 130 | 07/23/24 14:47 | 07/25/24 09:10 | 1       |

Lab Sample ID: LCS 880-86400/2-A

Matrix: Solid

Analysis Batch: 86530

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86400

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1091       |               | mg/Kg |   | 109  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 916.0      |               | mg/Kg |   | 92   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-86400/2-A

Matrix: Solid

Analysis Batch: 86530

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86400

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 88        |           | 70 - 130 |
| o-Terphenyl    | 83        |           | 70 - 130 |

Lab Sample ID: LCSD 880-86400/3-A

Matrix: Solid

Analysis Batch: 86530

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86400

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 964.4       |                | mg/Kg |   | 96   | 70 - 130    | 12  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 806.2       |                | mg/Kg |   | 81   | 70 - 130    | 13  | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 92        |           | 70 - 130 |
| o-Terphenyl    | 86        |           | 70 - 130 |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-86458/1-A

Matrix: Solid

Analysis Batch: 86485

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 | mg/Kg |   |          | 07/24/24 17:30 | 1       |

Lab Sample ID: LCS 880-86458/2-A

Matrix: Solid

Analysis Batch: 86485

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 246.0      |               | mg/Kg |   | 98   | 90 - 110    |

Lab Sample ID: LCSD 880-86458/3-A

Matrix: Solid

Analysis Batch: 86485

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 247.9       |                | mg/Kg |   | 99   | 90 - 110    | 1   | 20        |

Lab Sample ID: 880-46398-1 MS

Matrix: Solid

Analysis Batch: 86485

Client Sample ID: CSB-033-2.0-20240723

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 1380          |                  | 1260        | 2756      |              | mg/Kg |   | 110  | 90 - 110    |

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QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

|                                |               |                  |             |            |               |                                        |   |      |             |     |           |  |
|--------------------------------|---------------|------------------|-------------|------------|---------------|----------------------------------------|---|------|-------------|-----|-----------|--|
| Lab Sample ID: 880-46398-1 MSD |               |                  |             |            |               | Client Sample ID: CSB-033-2.0-20240723 |   |      |             |     |           |  |
| Matrix: Solid                  |               |                  |             |            |               | Prep Type: Soluble                     |   |      |             |     |           |  |
| Analysis Batch: 86485          |               |                  |             |            |               |                                        |   |      |             |     |           |  |
| Analyte                        | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit                                   | D | %Rec | %Rec Limits | RPD | RPD Limit |  |
| Chloride                       | 1380          |                  | 1260        | 2753       |               | mg/Kg                                  |   | 109  | 90 - 110    | 0   | 20        |  |



## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

## GC VOA

## Prep Batch: 86358

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46398-4        | CSB-064-2.0-20240723   | Total/NA  | Solid  | 5035   |            |
| 880-46398-5        | CSB-073-2.0-20240723   | Total/NA  | Solid  | 5035   |            |
| MB 880-86358/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-86358/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-86358/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-46398-4 MS     | CSB-064-2.0-20240723   | Total/NA  | Solid  | 5035   |            |
| 880-46398-4 MSD    | CSB-064-2.0-20240723   | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 86428

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46398-1        | CSB-033-2.0-20240723   | Total/NA  | Solid  | 5035   |            |
| 880-46398-2        | CSB-043-2.0-20240723   | Total/NA  | Solid  | 5035   |            |
| 880-46398-3        | CSB-053-2.0-20240723   | Total/NA  | Solid  | 5035   |            |
| MB 880-86428/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-86428/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-86428/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 86450

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46398-1        | CSB-033-2.0-20240723   | Total/NA  | Solid  | 8021B  | 86428      |
| 880-46398-2        | CSB-043-2.0-20240723   | Total/NA  | Solid  | 8021B  | 86428      |
| 880-46398-3        | CSB-053-2.0-20240723   | Total/NA  | Solid  | 8021B  | 86428      |
| MB 880-86428/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 86428      |
| LCS 880-86428/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 86428      |
| LCSD 880-86428/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 86428      |

## Analysis Batch: 86451

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46398-4        | CSB-064-2.0-20240723   | Total/NA  | Solid  | 8021B  | 86358      |
| 880-46398-5        | CSB-073-2.0-20240723   | Total/NA  | Solid  | 8021B  | 86358      |
| MB 880-86358/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 86358      |
| LCS 880-86358/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 86358      |
| LCSD 880-86358/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 86358      |
| 880-46398-4 MS     | CSB-064-2.0-20240723   | Total/NA  | Solid  | 8021B  | 86358      |
| 880-46398-4 MSD    | CSB-064-2.0-20240723   | Total/NA  | Solid  | 8021B  | 86358      |

## Analysis Batch: 86644

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method     | Prep Batch |
|---------------|----------------------|-----------|--------|------------|------------|
| 880-46398-1   | CSB-033-2.0-20240723 | Total/NA  | Solid  | Total BTEX |            |
| 880-46398-2   | CSB-043-2.0-20240723 | Total/NA  | Solid  | Total BTEX |            |
| 880-46398-3   | CSB-053-2.0-20240723 | Total/NA  | Solid  | Total BTEX |            |
| 880-46398-4   | CSB-064-2.0-20240723 | Total/NA  | Solid  | Total BTEX |            |
| 880-46398-5   | CSB-073-2.0-20240723 | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 86400

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method      | Prep Batch |
|---------------|----------------------|-----------|--------|-------------|------------|
| 880-46398-1   | CSB-033-2.0-20240723 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46398-2   | CSB-043-2.0-20240723 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46398-3   | CSB-053-2.0-20240723 | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Midland



## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

## GC Semi VOA (Continued)

## Prep Batch: 86400 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-46398-4        | CSB-064-2.0-20240723   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46398-5        | CSB-073-2.0-20240723   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-86400/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-86400/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-86400/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 86530

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46398-1        | CSB-033-2.0-20240723   | Total/NA  | Solid  | 8015B NM | 86400      |
| 880-46398-2        | CSB-043-2.0-20240723   | Total/NA  | Solid  | 8015B NM | 86400      |
| 880-46398-3        | CSB-053-2.0-20240723   | Total/NA  | Solid  | 8015B NM | 86400      |
| 880-46398-4        | CSB-064-2.0-20240723   | Total/NA  | Solid  | 8015B NM | 86400      |
| 880-46398-5        | CSB-073-2.0-20240723   | Total/NA  | Solid  | 8015B NM | 86400      |
| MB 880-86400/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 86400      |
| LCS 880-86400/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 86400      |
| LCSD 880-86400/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 86400      |

## Analysis Batch: 86679

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method  | Prep Batch |
|---------------|----------------------|-----------|--------|---------|------------|
| 880-46398-1   | CSB-033-2.0-20240723 | Total/NA  | Solid  | 8015 NM |            |
| 880-46398-2   | CSB-043-2.0-20240723 | Total/NA  | Solid  | 8015 NM |            |
| 880-46398-3   | CSB-053-2.0-20240723 | Total/NA  | Solid  | 8015 NM |            |
| 880-46398-4   | CSB-064-2.0-20240723 | Total/NA  | Solid  | 8015 NM |            |
| 880-46398-5   | CSB-073-2.0-20240723 | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 86458

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46398-1        | CSB-033-2.0-20240723   | Soluble   | Solid  | DI Leach |            |
| 880-46398-2        | CSB-043-2.0-20240723   | Soluble   | Solid  | DI Leach |            |
| 880-46398-3        | CSB-053-2.0-20240723   | Soluble   | Solid  | DI Leach |            |
| 880-46398-4        | CSB-064-2.0-20240723   | Soluble   | Solid  | DI Leach |            |
| 880-46398-5        | CSB-073-2.0-20240723   | Soluble   | Solid  | DI Leach |            |
| MB 880-86458/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-86458/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-86458/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-46398-1 MS     | CSB-033-2.0-20240723   | Soluble   | Solid  | DI Leach |            |
| 880-46398-1 MSD    | CSB-033-2.0-20240723   | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 86485

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46398-1        | CSB-033-2.0-20240723   | Soluble   | Solid  | 300.0  | 86458      |
| 880-46398-2        | CSB-043-2.0-20240723   | Soluble   | Solid  | 300.0  | 86458      |
| 880-46398-3        | CSB-053-2.0-20240723   | Soluble   | Solid  | 300.0  | 86458      |
| 880-46398-4        | CSB-064-2.0-20240723   | Soluble   | Solid  | 300.0  | 86458      |
| 880-46398-5        | CSB-073-2.0-20240723   | Soluble   | Solid  | 300.0  | 86458      |
| MB 880-86458/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 86458      |
| LCS 880-86458/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 86458      |
| LCSD 880-86458/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 86458      |
| 880-46398-1 MS     | CSB-033-2.0-20240723   | Soluble   | Solid  | 300.0  | 86458      |

Eurofins Midland



QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

HPLC/IC (Continued)

Analysis Batch: 86485 (Continued)

| Lab Sample ID   | Client Sample ID     | Prep Type | Matrix | Method | Prep Batch |
|-----------------|----------------------|-----------|--------|--------|------------|
| 880-46398-1 MSD | CSB-033-2.0-20240723 | Soluble   | Solid  | 300.0  | 86458      |

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Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

Client Sample ID: CSB-033-2.0-20240723  
Date Collected: 07/23/24 08:40  
Date Received: 07/24/24 08:00

Lab Sample ID: 880-46398-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 86428        | 07/24/24 08:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86450        | 07/24/24 20:47       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86644        | 07/24/24 20:47       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86679        | 07/25/24 13:16       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.98 g         | 10 mL        | 86400        | 07/23/24 14:47       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86530        | 07/25/24 13:16       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 86458        | 07/24/24 08:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 86485        | 07/24/24 18:59       | CH      | EET MID |

Client Sample ID: CSB-043-2.0-20240723  
Date Collected: 07/23/24 08:42  
Date Received: 07/24/24 08:00

Lab Sample ID: 880-46398-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 86428        | 07/24/24 08:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86450        | 07/24/24 21:07       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86644        | 07/24/24 21:07       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86679        | 07/25/24 13:33       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.09 g        | 10 mL        | 86400        | 07/23/24 14:47       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86530        | 07/25/24 13:33       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 86458        | 07/24/24 08:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86485        | 07/24/24 19:15       | CH      | EET MID |

Client Sample ID: CSB-053-2.0-20240723  
Date Collected: 07/23/24 08:44  
Date Received: 07/24/24 08:00

Lab Sample ID: 880-46398-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 86428        | 07/24/24 08:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86450        | 07/24/24 21:28       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86644        | 07/24/24 21:28       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86679        | 07/25/24 14:12       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.07 g        | 10 mL        | 86400        | 07/23/24 14:47       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86530        | 07/25/24 14:12       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 86458        | 07/24/24 08:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 86485        | 07/24/24 19:20       | CH      | EET MID |

Client Sample ID: CSB-064-2.0-20240723  
Date Collected: 07/23/24 08:46  
Date Received: 07/24/24 08:00

Lab Sample ID: 880-46398-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 86358        | 07/24/24 10:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86451        | 07/24/24 13:11       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86644        | 07/24/24 13:11       | SM      | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

Client Sample ID: CSB-064-2.0-20240723  
Date Collected: 07/23/24 08:46  
Date Received: 07/24/24 08:00

Lab Sample ID: 880-46398-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86679        | 07/25/24 14:30       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 86400        | 07/23/24 14:47       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86530        | 07/25/24 14:30       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 86458        | 07/24/24 08:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86485        | 07/24/24 19:36       | CH      | EET MID |

Client Sample ID: CSB-073-2.0-20240723  
Date Collected: 07/23/24 08:48  
Date Received: 07/24/24 08:00

Lab Sample ID: 880-46398-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 86358        | 07/24/24 10:00       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86451        | 07/24/24 13:32       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86644        | 07/24/24 13:32       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86679        | 07/25/24 14:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 86400        | 07/23/24 14:47       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86530        | 07/25/24 14:48       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 86458        | 07/24/24 08:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 86485        | 07/24/24 19:41       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |



Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46398-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       |
|---------------|----------------------|--------|----------------|----------------|
| 880-46398-1   | CSB-033-2.0-20240723 | Solid  | 07/23/24 08:40 | 07/24/24 08:00 |
| 880-46398-2   | CSB-043-2.0-20240723 | Solid  | 07/23/24 08:42 | 07/24/24 08:00 |
| 880-46398-3   | CSB-053-2.0-20240723 | Solid  | 07/23/24 08:44 | 07/24/24 08:00 |
| 880-46398-4   | CSB-064-2.0-20240723 | Solid  | 07/23/24 08:46 | 07/24/24 08:00 |
| 880-46398-5   | CSB-073-2.0-20240723 | Solid  | 07/23/24 08:48 | 07/24/24 08:00 |

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## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1298  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5080

## Environment Testing



## Work Ord

**880-46398 Chain of Custody**

[illegible]





eurofins

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1286  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5080

## Environment Testing

## Work Order

880-46398 Chain of Custody

Page 1 of 1

|                                    |  |                         |  |                                                                                                                                                                                  |  |
|------------------------------------|--|-------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Project Manager: Brad Wynne        |  | Bill to: (if different) |  | Work Order Comments                                                                                                                                                              |  |
| Company Name: AECom                |  | Company Name:           |  | Program: <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>              |  |
| Address: 13355 Nobel Rd. Suite 400 |  | Address:                |  | State of Project: <u>NM</u>                                                                                                                                                      |  |
| City, State ZIP: Dallas, TX 75240  |  | City, State ZIP:        |  | Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Phone: 214-971-1829                |  | Email:                  |  | Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

| Project Name: Amaro CTB                                                                   |                              | Turn Around                                                               |                 | ANALYSIS REQUEST                                                  |  | Preservative Codes |  |
|-------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------|--|--------------------|--|
| Project Number: 60734207                                                                  | Project Location: Loving, NM | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Due Date: 24 hr | Pres. Code                                                        |  |                    |  |
| Sampler's Name: J. Lopez, J. Godwin                                                       |                              |                                                                           |                 | None: NO                                                          |  |                    |  |
| PO #:                                                                                     |                              |                                                                           |                 | Cool: Cool                                                        |  |                    |  |
| SAMPLE RECEIPT                                                                            |                              |                                                                           |                 | HCL: HC                                                           |  |                    |  |
| Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>           |                              |                                                                           |                 | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |  |                    |  |
| Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>              |                              |                                                                           |                 | H <sub>3</sub> PO <sub>4</sub> : HP                               |  |                    |  |
| Thermometer ID: TRS                                                                       |                              |                                                                           |                 | NaHSO <sub>4</sub> : NABIS                                        |  |                    |  |
| Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |                              |                                                                           |                 | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |                    |  |
| Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |                              |                                                                           |                 | Zn Acetate+NaOH: Zn                                               |  |                    |  |
| Temperature Reading: 1.4                                                                  |                              |                                                                           |                 | NaOH+Ascorbic Acid: SAPC                                          |  |                    |  |
| Total Containers: 1.3                                                                     |                              |                                                                           |                 |                                                                   |  |                    |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-----------------|
| CSB-033-2.0-20240723  | S      | 7/23/24      | 0840         | 2.0   | C         | 1         |                 |
| CSB-043-2.0-20240723  | S      | 7/23/24      | 0842         | 2.0   | C         | 1         |                 |
| CSB-053-2.0-20240723  | S      | 7/23/24      | 0844         | 2.0   | C         | 1         |                 |
| CSB-064-2.0-20240723  | S      | 7/23/24      | 0846         | 2.0   | C         | 1         |                 |
| CSB-073-2.0-20240723  | S      | 7/23/24      | 0848         | 2.0   | C         | 1         |                 |

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

(Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.)

| Relinquished by: (Signature) | Received by: (Signature)     | Relinquished by: (Signature) | Received by: (Signature) | Date/Time    |
|------------------------------|------------------------------|------------------------------|--------------------------|--------------|
| <u>[Signature]</u> - AECom   | <u>[Signature]</u> - 7/24/24 |                              |                          | 7/23/24 1630 |
|                              |                              |                              |                          |              |
|                              |                              |                              |                          |              |

Revised Date: 08/25/2020 Rev. 2020.2



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46398-1

SDG Number: Loving, NM

Login Number: 46398

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 7/26/2024 8:48:45 AM

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-46455-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
7/26/2024 8:48:45 AM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-46455-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46455-1  
SDG: Loving, NM

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-46455-1

Job ID: 880-46455-1

Eurofins Midland

Job Narrative  
880-46455-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/25/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46455-1  
SDG: Loving, NM

Client Sample ID: CSB-034-3.0-20240724

Lab Sample ID: 880-46455-1

Date Collected: 07/24/24 13:00

Matrix: Solid

Date Received: 07/25/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 502    |           | 4.96 | mg/Kg |   |          | 07/25/24 18:38 | 1       |

Client Sample ID: CSB-035-3.0-20240724

Lab Sample ID: 880-46455-2

Date Collected: 07/24/24 13:10

Matrix: Solid

Date Received: 07/25/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 291    |           | 5.02 | mg/Kg |   |          | 07/25/24 19:02 | 1       |

Client Sample ID: CSB-036-3.0-20240724

Lab Sample ID: 880-46455-3

Date Collected: 07/24/24 13:20

Matrix: Solid

Date Received: 07/25/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 559    |           | 4.98 | mg/Kg |   |          | 07/25/24 19:09 | 1       |

Client Sample ID: CSB-037-3.0-20240724

Lab Sample ID: 880-46455-4

Date Collected: 07/24/24 13:30

Matrix: Solid

Date Received: 07/25/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 567    |           | 4.96 | mg/Kg |   |          | 07/25/24 19:17 | 1       |

Client Sample ID: CSB-044-3.0-20240724

Lab Sample ID: 880-46455-5

Date Collected: 07/24/24 13:40

Matrix: Solid

Date Received: 07/25/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 324    |           | 5.04 | mg/Kg |   |          | 07/25/24 19:25 | 1       |

Client Sample ID: CSB-045-3.0-20240724

Lab Sample ID: 880-46455-6

Date Collected: 07/24/24 13:50

Matrix: Solid

Date Received: 07/25/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 453    |           | 4.97 | mg/Kg |   |          | 07/25/24 19:49 | 1       |

Client Sample ID: CSB-047-3.0-20240724

Lab Sample ID: 880-46455-7

Date Collected: 07/24/24 14:00

Matrix: Solid

Date Received: 07/25/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 448    |           | 4.99 | mg/Kg |   |          | 07/25/24 19:56 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46455-1  
SDG: Loving, NM

Client Sample ID: CSB-055-3.0-20240724

Lab Sample ID: 880-46455-8

Date Collected: 07/24/24 14:10

Matrix: Solid

Date Received: 07/25/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 474    |           | 5.00 | mg/Kg |   |          | 07/25/24 20:04 | 1       |

Client Sample ID: CSB-056-3.0-20240724

Lab Sample ID: 880-46455-9

Date Collected: 07/24/24 14:20

Matrix: Solid

Date Received: 07/25/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 247    |           | 4.98 | mg/Kg |   |          | 07/25/24 20:12 | 1       |

Client Sample ID: CSB-065-3.0-20240724

Lab Sample ID: 880-46455-10

Date Collected: 07/24/24 14:30

Matrix: Solid

Date Received: 07/25/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 223    |           | 5.02 | mg/Kg |   |          | 07/25/24 20:20 | 1       |

Client Sample ID: CSB-066-3.0-20240724

Lab Sample ID: 880-46455-11

Date Collected: 07/24/24 14:40

Matrix: Solid

Date Received: 07/25/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 361    |           | 5.03 | mg/Kg |   |          | 07/25/24 20:28 | 1       |

Client Sample ID: CSB-084-3.0-20240724

Lab Sample ID: 880-46455-12

Date Collected: 07/24/24 14:50

Matrix: Solid

Date Received: 07/25/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 588    |           | 5.04 | mg/Kg |   |          | 07/25/24 20:51 | 1       |

Client Sample ID: CSB-085-3.0-20240724

Lab Sample ID: 880-46455-13

Date Collected: 07/24/24 15:00

Matrix: Solid

Date Received: 07/25/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 654    |           | 5.05 | mg/Kg |   |          | 07/25/24 20:59 | 1       |

Client Sample ID: CSB-093-3.0-20240724

Lab Sample ID: 880-46455-14

Date Collected: 07/24/24 15:10

Matrix: Solid

Date Received: 07/25/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 603    |           | 4.99 | mg/Kg |   |          | 07/25/24 21:22 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46455-1  
SDG: Loving, NM

Client Sample ID: CSB-094-3.0-20240724  
Date Collected: 07/24/24 15:20  
Date Received: 07/25/24 08:00

Lab Sample ID: 880-46455-15  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride                                                 | 1060   |           | 5.00 | mg/Kg |   |          | 07/25/24 21:30 | 1       |  |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46455-1  
SDG: Loving, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-86666/1-A

Matrix: Solid

Analysis Batch: 86684

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 | mg/Kg |   |          | 07/25/24 18:15 | 1       |

Lab Sample ID: LCS 880-86666/2-A

Matrix: Solid

Analysis Batch: 86684

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 249.3         |                  | mg/Kg |   | 100  | 90 - 110       |

Lab Sample ID: LCSD 880-86666/3-A

Matrix: Solid

Analysis Batch: 86684

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 249.2          |                   | mg/Kg |   | 100  | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-46455-1 MS

Matrix: Solid

Analysis Batch: 86684

Client Sample ID: CSB-034-3.0-20240724

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 502              |                     | 248            | 756.5        |                 | mg/Kg |   | 103  | 90 - 110       |

Lab Sample ID: 880-46455-1 MSD

Matrix: Solid

Analysis Batch: 86684

Client Sample ID: CSB-034-3.0-20240724

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 502              |                     | 248            | 763.2         |                  | mg/Kg |   | 105  | 90 - 110       | 1   | 20           |

Lab Sample ID: 880-46455-11 MS

Matrix: Solid

Analysis Batch: 86684

Client Sample ID: CSB-066-3.0-20240724

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 361              |                     | 252            | 589.0        |                 | mg/Kg |   | 91   | 90 - 110       |

Lab Sample ID: 880-46455-11 MSD

Matrix: Solid

Analysis Batch: 86684

Client Sample ID: CSB-066-3.0-20240724

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 361              |                     | 252            | 589.0         |                  | mg/Kg |   | 91   | 90 - 110       | 0   | 20           |

Eurofins Midland



## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46455-1  
SDG: Loving, NM

## HPLC/IC

## Leach Batch: 86666

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46455-1        | CSB-034-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-2        | CSB-035-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-3        | CSB-036-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-4        | CSB-037-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-5        | CSB-044-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-6        | CSB-045-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-7        | CSB-047-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-8        | CSB-055-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-9        | CSB-056-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-10       | CSB-065-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-11       | CSB-066-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-12       | CSB-084-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-13       | CSB-085-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-14       | CSB-093-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-15       | CSB-094-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| MB 880-86666/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-86666/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-86666/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-46455-1 MS     | CSB-034-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-1 MSD    | CSB-034-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-11 MS    | CSB-066-3.0-20240724   | Soluble   | Solid  | DI Leach |            |
| 880-46455-11 MSD   | CSB-066-3.0-20240724   | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 86684

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46455-1        | CSB-034-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-2        | CSB-035-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-3        | CSB-036-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-4        | CSB-037-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-5        | CSB-044-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-6        | CSB-045-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-7        | CSB-047-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-8        | CSB-055-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-9        | CSB-056-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-10       | CSB-065-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-11       | CSB-066-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-12       | CSB-084-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-13       | CSB-085-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-14       | CSB-093-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-15       | CSB-094-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| MB 880-86666/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 86666      |
| LCS 880-86666/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 86666      |
| LCSD 880-86666/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-1 MS     | CSB-034-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-1 MSD    | CSB-034-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-11 MS    | CSB-066-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |
| 880-46455-11 MSD   | CSB-066-3.0-20240724   | Soluble   | Solid  | 300.0  | 86666      |

Eurofins Midland



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46455-1  
SDG: Loving, NM

Client Sample ID: CSB-034-3.0-20240724

Lab Sample ID: 880-46455-1

Date Collected: 07/24/24 13:00

Matrix: Solid

Date Received: 07/25/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 86666        | 07/25/24 14:18       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86684        | 07/25/24 18:38       | CH      | EET MID |

Client Sample ID: CSB-035-3.0-20240724

Lab Sample ID: 880-46455-2

Date Collected: 07/24/24 13:10

Matrix: Solid

Date Received: 07/25/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 86666        | 07/25/24 14:18       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86684        | 07/25/24 19:02       | CH      | EET MID |

Client Sample ID: CSB-036-3.0-20240724

Lab Sample ID: 880-46455-3

Date Collected: 07/24/24 13:20

Matrix: Solid

Date Received: 07/25/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 86666        | 07/25/24 14:18       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86684        | 07/25/24 19:09       | CH      | EET MID |

Client Sample ID: CSB-037-3.0-20240724

Lab Sample ID: 880-46455-4

Date Collected: 07/24/24 13:30

Matrix: Solid

Date Received: 07/25/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 86666        | 07/25/24 14:18       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86684        | 07/25/24 19:17       | CH      | EET MID |

Client Sample ID: CSB-044-3.0-20240724

Lab Sample ID: 880-46455-5

Date Collected: 07/24/24 13:40

Matrix: Solid

Date Received: 07/25/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 86666        | 07/25/24 14:18       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86684        | 07/25/24 19:25       | CH      | EET MID |

Client Sample ID: CSB-045-3.0-20240724

Lab Sample ID: 880-46455-6

Date Collected: 07/24/24 13:50

Matrix: Solid

Date Received: 07/25/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 86666        | 07/25/24 14:18       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86684        | 07/25/24 19:49       | CH      | EET MID |

Eurofins Midland



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46455-1  
SDG: Loving, NM

Client Sample ID: CSB-047-3.0-20240724

Lab Sample ID: 880-46455-7

Date Collected: 07/24/24 14:00

Matrix: Solid

Date Received: 07/25/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 86666        | 07/25/24 14:18       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86684        | 07/25/24 19:56       | CH      | EET MID |

Client Sample ID: CSB-055-3.0-20240724

Lab Sample ID: 880-46455-8

Date Collected: 07/24/24 14:10

Matrix: Solid

Date Received: 07/25/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 86666        | 07/25/24 14:18       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86684        | 07/25/24 20:04       | CH      | EET MID |

Client Sample ID: CSB-056-3.0-20240724

Lab Sample ID: 880-46455-9

Date Collected: 07/24/24 14:20

Matrix: Solid

Date Received: 07/25/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 86666        | 07/25/24 14:18       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86684        | 07/25/24 20:12       | CH      | EET MID |

Client Sample ID: CSB-065-3.0-20240724

Lab Sample ID: 880-46455-10

Date Collected: 07/24/24 14:30

Matrix: Solid

Date Received: 07/25/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 86666        | 07/25/24 14:18       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86684        | 07/25/24 20:20       | CH      | EET MID |

Client Sample ID: CSB-066-3.0-20240724

Lab Sample ID: 880-46455-11

Date Collected: 07/24/24 14:40

Matrix: Solid

Date Received: 07/25/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 86666        | 07/25/24 14:18       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86684        | 07/25/24 20:28       | CH      | EET MID |

Client Sample ID: CSB-084-3.0-20240724

Lab Sample ID: 880-46455-12

Date Collected: 07/24/24 14:50

Matrix: Solid

Date Received: 07/25/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 86666        | 07/25/24 14:18       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86684        | 07/25/24 20:51       | CH      | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46455-1  
SDG: Loving, NM

Client Sample ID: CSB-085-3.0-20240724  
Date Collected: 07/24/24 15:00  
Date Received: 07/25/24 08:00

Lab Sample ID: 880-46455-13  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 86666        | 07/25/24 14:18       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86684        | 07/25/24 20:59       | CH      | EET MID |

Client Sample ID: CSB-093-3.0-20240724  
Date Collected: 07/24/24 15:10  
Date Received: 07/25/24 08:00

Lab Sample ID: 880-46455-14  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 86666        | 07/25/24 14:18       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86684        | 07/25/24 21:22       | CH      | EET MID |

Client Sample ID: CSB-094-3.0-20240724  
Date Collected: 07/24/24 15:20  
Date Received: 07/25/24 08:00

Lab Sample ID: 880-46455-15  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 86666        | 07/25/24 14:18       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86684        | 07/25/24 21:30       | CH      | EET MID |

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46455-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

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Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46455-1  
SDG: Loving, NM

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

- Protocol References:**
- ASTM = ASTM International
  - EPA = US Environmental Protection Agency
- Laboratory References:**
- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46455-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       |
|---------------|----------------------|--------|----------------|----------------|
| 880-46455-1   | CSB-034-3.0-20240724 | Solid  | 07/24/24 13:00 | 07/25/24 08:00 |
| 880-46455-2   | CSB-035-3.0-20240724 | Solid  | 07/24/24 13:10 | 07/25/24 08:00 |
| 880-46455-3   | CSB-036-3.0-20240724 | Solid  | 07/24/24 13:20 | 07/25/24 08:00 |
| 880-46455-4   | CSB-037-3.0-20240724 | Solid  | 07/24/24 13:30 | 07/25/24 08:00 |
| 880-46455-5   | CSB-044-3.0-20240724 | Solid  | 07/24/24 13:40 | 07/25/24 08:00 |
| 880-46455-6   | CSB-045-3.0-20240724 | Solid  | 07/24/24 13:50 | 07/25/24 08:00 |
| 880-46455-7   | CSB-047-3.0-20240724 | Solid  | 07/24/24 14:00 | 07/25/24 08:00 |
| 880-46455-8   | CSB-055-3.0-20240724 | Solid  | 07/24/24 14:10 | 07/25/24 08:00 |
| 880-46455-9   | CSB-056-3.0-20240724 | Solid  | 07/24/24 14:20 | 07/25/24 08:00 |
| 880-46455-10  | CSB-065-3.0-20240724 | Solid  | 07/24/24 14:30 | 07/25/24 08:00 |
| 880-46455-11  | CSB-066-3.0-20240724 | Solid  | 07/24/24 14:40 | 07/25/24 08:00 |
| 880-46455-12  | CSB-084-3.0-20240724 | Solid  | 07/24/24 14:50 | 07/25/24 08:00 |
| 880-46455-13  | CSB-085-3.0-20240724 | Solid  | 07/24/24 15:00 | 07/25/24 08:00 |
| 880-46455-14  | CSB-093-3.0-20240724 | Solid  | 07/24/24 15:10 | 07/25/24 08:00 |
| 880-46455-15  | CSB-094-3.0-20240724 | Solid  | 07/24/24 15:20 | 07/25/24 08:00 |

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Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 802-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060

Work Order



880-46455 Chain of Custody

Page 1 of 2

|                  |                           |                         |                        |
|------------------|---------------------------|-------------------------|------------------------|
| Project Manager: | Brad Wyne                 | Bill to: (if different) |                        |
| Company Name:    | AECOM                     | Company Name:           |                        |
| Address:         | 13355 Nobel Rd. Suite 400 | Address:                |                        |
| City, State ZIP: | Dallas, TX 75240          | City, State ZIP:        |                        |
| Phone:           | 214-971-1829              | Email:                  | Bradley.Wyne@AECOM.COM |

|                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                              |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project: NM                                                                                                                                                             |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

|                          |                                                                                 |                                                                              |                                                                           |            |  |
|--------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------|--|
| Project Name:            | Ameo CTB                                                                        | Turn Around                                                                  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code |  |
| Project Number:          | 60734207                                                                        | Due Date:                                                                    | 24 hr                                                                     |            |  |
| Project Location:        | Loving, NM                                                                      | TAT starts the day received by the lab, if received by 4:30pm                |                                                                           |            |  |
| Sample's Name:           | J. Locky, J. Godwin                                                             |                                                                              |                                                                           |            |  |
| PO #:                    |                                                                                 |                                                                              |                                                                           |            |  |
| SAMPLE RECEIPT           | Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |                                                                           |            |  |
| Samples Received Intact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>             | Thermometer ID:                                                              | 1135                                                                      |            |  |
| Cooler Custody Seals:    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>             | Correction Factor:                                                           | -1.1                                                                      |            |  |
| Sample Custody Seals:    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>             | Temperature Reading:                                                         | 2.4                                                                       |            |  |
| Total Containers:        | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>             | Corrected Temperature:                                                       | 2.3                                                                       |            |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grav Comp | # of Cont | Parameters  |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-------------|
| CSB-034-3.0-20240724  | 56.1   | 7/24/24      | 1300         | 3.0   | C         | 1         | X Chlorides |
| CSB-035-3.0-20240724  |        |              | 1310         |       |           | 1         | X           |
| CSB-036-3.0-20240724  |        |              | 1320         |       |           | 1         | X           |
| CSB-037-3.0-20240724  |        |              | 1330         |       |           | 1         | X           |
| CSB-041-3.0-20240724  |        |              | 1340         |       |           | 1         | X           |
| CSB-045-3.0-20240724  |        |              | 1350         |       |           | 1         | X           |
| CSB-047-3.0-20240724  |        |              | 1400         |       |           | 1         | X           |
| CSB-055-3.0-20240724  |        |              | 1410         |       |           | 1         | X           |
| CSB-056-3.0-20240724  |        |              | 1420         |       |           | 1         | X           |
| CSB-065-3.0-20240724  |        |              | 1430         |       |           | 1         | X           |

|                                              |                   |             |                                                |                                                                                               |
|----------------------------------------------|-------------------|-------------|------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020:     | 8RCRA 13PPM | Texas 11                                       | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: | 8RCRA       | Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245.1 / 7470 / 7471                                                                |

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |              |                              |                          |           |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| 1. <i>Brad Wyne - AECOM</i>  | <i>Brad Wyne</i>         | 7/24/24 1630 | 2.                           |                          |           |
| 3.                           |                          |              | 4.                           |                          |           |
| 5.                           |                          |              | 6.                           |                          |           |





## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 888-3199  
Little Rock, AR (501) 224-0600

## Chain of Custody

**Work Order No:**

46453

Page 2 of 2

|                  |                          |       |                         |                        |
|------------------|--------------------------|-------|-------------------------|------------------------|
| Project Manager: | Brad Wyne                |       | Bill to: (if different) |                        |
| Company Name:    | AECOM                    |       | Company Name:           |                        |
| Address:         | 13355 Neel Rd. Suite 400 |       | Address:                |                        |
| City, State ZIP: | Dallas, TX               | 75240 | City, State ZIP:        |                        |
| Phone:           | 214-971-1829             |       | Email:                  | Bradley.wyne@AECOM.com |

**Work Order Comments**

**Program:** UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

**State of Project:** NM

**Reporting:** Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

**Deliverables:** EDD ☒ ADAPT ☐ Other: \_\_\_\_\_

|                          |  |                     |  |                                                                              |  |       |  |                        |  |  |  |  |  |  |  |                    |  |                                                                   |                            |
|--------------------------|--|---------------------|--|------------------------------------------------------------------------------|--|-------|--|------------------------|--|--|--|--|--|--|--|--------------------|--|-------------------------------------------------------------------|----------------------------|
| Project Name:            |  | Amoco CTB           |  | Turn Around                                                                  |  |       |  | ANALYSIS REQUEST       |  |  |  |  |  |  |  | Preservative Codes |  |                                                                   |                            |
| Project Number:          |  | 60734207            |  | <input type="checkbox"/> Routine<br><input checked="" type="checkbox"/> Rush |  |       |  | Pres. Code             |  |  |  |  |  |  |  |                    |  | None: NO                                                          | DI Water: H <sub>2</sub> O |
| Project Location:        |  | Leving, NM          |  | Due Date:                                                                    |  | 24 hr |  |                        |  |  |  |  |  |  |  |                    |  | Cool: Cool                                                        | MeOH: Me                   |
| Sampler's Name:          |  | J. Lovey, J. Godwin |  | TAT starts the day received by the lab, if received by 4:30pm                |  |       |  |                        |  |  |  |  |  |  |  |                    |  | HCl: HC                                                           | HNO <sub>3</sub>           |
| PO #:                    |  |                     |  |                                                                              |  |       |  |                        |  |  |  |  |  |  |  |                    |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| SAMPLE RECEIPT           |  | Temp Blank:         |  | Yes                                                                          |  | No    |  | Thermometer ID:        |  |  |  |  |  |  |  |                    |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
| Samples Received Intact: |  | Yes                 |  | No                                                                           |  |       |  | Correction Factor:     |  |  |  |  |  |  |  |                    |  | NaHSO <sub>4</sub> : NABIS                                        |                            |
| Cooler Custody Seals:    |  | Yes                 |  | No                                                                           |  | N/A   |  | Temperature Reading:   |  |  |  |  |  |  |  |                    |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
| Sample Custody Seals:    |  | Yes                 |  | No                                                                           |  | N/A   |  | Corrected Temperature: |  |  |  |  |  |  |  |                    |  | Zn Acetate+NaOH: Zn                                               |                            |
| Total Containers:        |  |                     |  |                                                                              |  |       |  |                        |  |  |  |  |  |  |  |                    |  | NaOH+Ascorbic Acid: SAPC                                          |                            |

[illegible]

| Total                          | 200.7 / 6010 | 200.0 / 6020: |                                                                                               |
|--------------------------------|--------------|---------------|-----------------------------------------------------------------------------------------------|
| 8RCRA                          | 13PPM        | Texas 11      | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| TC1P / SPLP 6010: 8RCRA        |              |               | Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U                                                |
| Hg: 1631 / 245.1 / 7470 / 7471 |              |               |                                                                                               |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xeno. A minimum charge of \$85.00 will be applied to each profile and a charge of \$3 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| 1 <i>[Signature]</i> - AECOM |                          | 7/24/24 1630 | 2                            |                          |           |
| 3                            |                          |              | 4                            |                          |           |
| 5                            |                          |              | 6                            |                          |           |



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46455-1

SDG Number: Loving, NM

Login Number: 46455

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 7/30/2024 8:28:36 AM

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-46548-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
7/30/2024 8:28:36 AM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-46548-1  
SDG: Loving,NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-1  
SDG: Loving,NM

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-46548-1

Job ID: 880-46548-1

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**Job Narrative**  
**880-46548-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The samples were received on 7/29/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C.

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-023-3.0-20240726 (880-46548-1), CSB-024-3.0-20240726 (880-46548-2), CSB-025-3.0-20240726 (880-46548-3), CSB-026-3.0-20240726 (880-46548-4), CSB-027-3.0-20240726 (880-46548-5), CSB-033-3.0-20240726 (880-46548-6), CSB-043-3.0-20240726 (880-46548-7), CSB-053-3.0-20240726 (880-46548-8), CSB-073-3.0-20240726 (880-46548-9), CSB-094-4.0-20240726 (880-46548-10), CSB-083-3.0-20240726 (880-46548-11), CSB-092-3.0-20240726 (880-46548-12), CSB-100-3.0-20240726 (880-46548-13), CSB-101-3.0-20240726 (880-46548-14), CSB-102-3.0-20240726 (880-46548-15) and CSB-083-DUP-3.0-20240726 (880-46548-16).

**HPLC/IC**

Method 300\_ORGFM\_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-86876 and analytical batch 880-86877 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

CSB-083-3.0-20240726 (880-46548-11), CSB-092-3.0-20240726 (880-46548-12), CSB-100-3.0-20240726 (880-46548-13), CSB-101-3.0-20240726 (880-46548-14), CSB-102-3.0-20240726 (880-46548-15), CSB-083-DUP-3.0-20240726 (880-46548-16), (880-46548-A-11-G MS) and (880-46548-A-11-F MSD)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-1  
SDG: Loving,NM

Client Sample ID: CSB-023-3.0-20240726

Lab Sample ID: 880-46548-1

Date Collected: 07/26/24 10:50

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 210    |           | 4.97 | mg/Kg |   |          | 07/29/24 13:53 | 1       |

Client Sample ID: CSB-024-3.0-20240726

Lab Sample ID: 880-46548-2

Date Collected: 07/26/24 11:00

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 451    |           | 5.02 | mg/Kg |   |          | 07/29/24 14:17 | 1       |

Client Sample ID: CSB-025-3.0-20240726

Lab Sample ID: 880-46548-3

Date Collected: 07/26/24 11:10

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 311    |           | 5.00 | mg/Kg |   |          | 07/29/24 14:25 | 1       |

Client Sample ID: CSB-026-3.0-20240726

Lab Sample ID: 880-46548-4

Date Collected: 07/26/24 11:20

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 323    |           | 4.99 | mg/Kg |   |          | 07/29/24 14:33 | 1       |

Client Sample ID: CSB-027-3.0-20240726

Lab Sample ID: 880-46548-5

Date Collected: 07/26/24 11:30

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 503    |           | 5.04 | mg/Kg |   |          | 07/29/24 14:41 | 1       |

Client Sample ID: CSB-033-3.0-20240726

Lab Sample ID: 880-46548-6

Date Collected: 07/26/24 11:40

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 435    |           | 5.00 | mg/Kg |   |          | 07/29/24 15:05 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-1  
SDG: Loving,NM

Client Sample ID: CSB-043-3.0-20240726

Lab Sample ID: 880-46548-7

Date Collected: 07/26/24 11:50

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 553    |           | 5.01 | mg/Kg |   |          | 07/29/24 15:13 | 1       |

Client Sample ID: CSB-053-3.0-20240726

Lab Sample ID: 880-46548-8

Date Collected: 07/26/24 12:00

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 413    |           | 5.03 | mg/Kg |   |          | 07/29/24 15:21 | 1       |

Client Sample ID: CSB-073-3.0-20240726

Lab Sample ID: 880-46548-9

Date Collected: 07/26/24 12:10

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 597    |           | 4.99 | mg/Kg |   |          | 07/29/24 15:28 | 1       |

Client Sample ID: CSB-094-4.0-20240726

Lab Sample ID: 880-46548-10

Date Collected: 07/26/24 12:20

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 513    |           | 4.98 | mg/Kg |   |          | 07/29/24 15:36 | 1       |

Client Sample ID: CSB-083-3.0-20240726

Lab Sample ID: 880-46548-11

Date Collected: 07/26/24 13:30

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 446    | F1        | 5.01 | mg/Kg |   |          | 07/29/24 15:44 | 1       |

Client Sample ID: CSB-092-3.0-20240726

Lab Sample ID: 880-46548-12

Date Collected: 07/26/24 13:40

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 803    |           | 5.03 | mg/Kg |   |          | 07/29/24 16:08 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-1  
SDG: Loving,NM

Client Sample ID: CSB-100-3.0-20240726  
Date Collected: 07/26/24 13:50  
Date Received: 07/29/24 08:00  
Sample Depth: 3.0

Lab Sample ID: 880-46548-13  
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 800    |           | 5.05 | mg/Kg |   |          | 07/29/24 16:16 | 1       |

Client Sample ID: CSB-101-3.0-20240726  
Date Collected: 07/26/24 14:00  
Date Received: 07/29/24 08:00  
Sample Depth: 3.0

Lab Sample ID: 880-46548-14  
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 502    |           | 4.99 | mg/Kg |   |          | 07/29/24 16:40 | 1       |

Client Sample ID: CSB-102-3.0-20240726  
Date Collected: 07/26/24 14:10  
Date Received: 07/29/24 08:00  
Sample Depth: 3.0

Lab Sample ID: 880-46548-15  
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 472    |           | 5.00 | mg/Kg |   |          | 07/29/24 16:48 | 1       |

Client Sample ID: CSB-083-DUP-3.0-20240726  
Date Collected: 07/26/24 00:00  
Date Received: 07/29/24 08:00  
Sample Depth: 3.0

Lab Sample ID: 880-46548-16  
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 402    |           | 4.97 | mg/Kg |   |          | 07/29/24 16:56 | 1       |



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-1  
SDG: Loving,NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-86876/1-A

Matrix: Solid

Analysis Batch: 86877

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 | mg/Kg |   |          | 07/29/24 13:29 | 1       |

Lab Sample ID: LCS 880-86876/2-A

Matrix: Solid

Analysis Batch: 86877

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 230.3         |                  | mg/Kg |   | 92   | 90 - 110       |

Lab Sample ID: LCSD 880-86876/3-A

Matrix: Solid

Analysis Batch: 86877

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 230.3          |                   | mg/Kg |   | 92   | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-46548-1 MS

Matrix: Solid

Analysis Batch: 86877

Client Sample ID: CSB-023-3.0-20240726

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 210              |                     | 249            | 471.7        |                 | mg/Kg |   | 105  | 90 - 110       |

Lab Sample ID: 880-46548-1 MSD

Matrix: Solid

Analysis Batch: 86877

Client Sample ID: CSB-023-3.0-20240726

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 210              |                     | 249            | 471.7         |                  | mg/Kg |   | 105  | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-46548-11 MS

Matrix: Solid

Analysis Batch: 86877

Client Sample ID: CSB-083-3.0-20240726

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 446              | F1                  | 251            | 623.2        | F1              | mg/Kg |   | 71   | 90 - 110       |

Lab Sample ID: 880-46548-11 MSD

Matrix: Solid

Analysis Batch: 86877

Client Sample ID: CSB-083-3.0-20240726

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 446              | F1                  | 251            | 620.7         | F1               | mg/Kg |   | 70   | 90 - 110       | 0   | 20           |

Eurofins Midland



## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-1  
SDG: Loving,NM

## HPLC/IC

## Leach Batch: 86876

| Lab Sample ID      | Client Sample ID         | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|--------------------------|-----------|--------|----------|------------|
| 880-46548-1        | CSB-023-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-2        | CSB-024-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-3        | CSB-025-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-4        | CSB-026-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-5        | CSB-027-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-6        | CSB-033-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-7        | CSB-043-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-8        | CSB-053-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-9        | CSB-073-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-10       | CSB-094-4.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-11       | CSB-083-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-12       | CSB-092-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-13       | CSB-100-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-14       | CSB-101-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-15       | CSB-102-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-16       | CSB-083-DUP-3.0-20240726 | Soluble   | Solid  | DI Leach |            |
| MB 880-86876/1-A   | Method Blank             | Soluble   | Solid  | DI Leach |            |
| LCS 880-86876/2-A  | Lab Control Sample       | Soluble   | Solid  | DI Leach |            |
| LCSD 880-86876/3-A | Lab Control Sample Dup   | Soluble   | Solid  | DI Leach |            |
| 880-46548-1 MS     | CSB-023-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-1 MSD    | CSB-023-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-11 MS    | CSB-083-3.0-20240726     | Soluble   | Solid  | DI Leach |            |
| 880-46548-11 MSD   | CSB-083-3.0-20240726     | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 86877

| Lab Sample ID      | Client Sample ID         | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------------|-----------|--------|--------|------------|
| 880-46548-1        | CSB-023-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-2        | CSB-024-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-3        | CSB-025-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-4        | CSB-026-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-5        | CSB-027-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-6        | CSB-033-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-7        | CSB-043-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-8        | CSB-053-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-9        | CSB-073-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-10       | CSB-094-4.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-11       | CSB-083-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-12       | CSB-092-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-13       | CSB-100-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-14       | CSB-101-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-15       | CSB-102-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-16       | CSB-083-DUP-3.0-20240726 | Soluble   | Solid  | 300.0  | 86876      |
| MB 880-86876/1-A   | Method Blank             | Soluble   | Solid  | 300.0  | 86876      |
| LCS 880-86876/2-A  | Lab Control Sample       | Soluble   | Solid  | 300.0  | 86876      |
| LCSD 880-86876/3-A | Lab Control Sample Dup   | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-1 MS     | CSB-023-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-1 MSD    | CSB-023-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-11 MS    | CSB-083-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |
| 880-46548-11 MSD   | CSB-083-3.0-20240726     | Soluble   | Solid  | 300.0  | 86876      |

Eurofins Midland



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-1  
SDG: Loving,NM

Client Sample ID: CSB-023-3.0-20240726

Lab Sample ID: 880-46548-1

Date Collected: 07/26/24 10:50

Matrix: Solid

Date Received: 07/29/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 86876        | 07/29/24 09:28       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86877        | 07/29/24 13:53       | SMC     | EET MID |

Client Sample ID: CSB-024-3.0-20240726

Lab Sample ID: 880-46548-2

Date Collected: 07/26/24 11:00

Matrix: Solid

Date Received: 07/29/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 86876        | 07/29/24 09:28       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86877        | 07/29/24 14:17       | SMC     | EET MID |

Client Sample ID: CSB-025-3.0-20240726

Lab Sample ID: 880-46548-3

Date Collected: 07/26/24 11:10

Matrix: Solid

Date Received: 07/29/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 86876        | 07/29/24 09:28       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86877        | 07/29/24 14:25       | SMC     | EET MID |

Client Sample ID: CSB-026-3.0-20240726

Lab Sample ID: 880-46548-4

Date Collected: 07/26/24 11:20

Matrix: Solid

Date Received: 07/29/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 86876        | 07/29/24 09:28       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86877        | 07/29/24 14:33       | SMC     | EET MID |

Client Sample ID: CSB-027-3.0-20240726

Lab Sample ID: 880-46548-5

Date Collected: 07/26/24 11:30

Matrix: Solid

Date Received: 07/29/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 86876        | 07/29/24 09:28       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86877        | 07/29/24 14:41       | SMC     | EET MID |

Client Sample ID: CSB-033-3.0-20240726

Lab Sample ID: 880-46548-6

Date Collected: 07/26/24 11:40

Matrix: Solid

Date Received: 07/29/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 86876        | 07/29/24 09:28       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86877        | 07/29/24 15:05       | SMC     | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-1  
SDG: Loving,NM

Client Sample ID: CSB-043-3.0-20240726  
Date Collected: 07/26/24 11:50  
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-7  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 86876        | 07/29/24 09:28       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86877        | 07/29/24 15:13       | SMC     | EET MID |

Client Sample ID: CSB-053-3.0-20240726  
Date Collected: 07/26/24 12:00  
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-8  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 86876        | 07/29/24 09:28       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86877        | 07/29/24 15:21       | SMC     | EET MID |

Client Sample ID: CSB-073-3.0-20240726  
Date Collected: 07/26/24 12:10  
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-9  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 86876        | 07/29/24 09:28       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86877        | 07/29/24 15:28       | SMC     | EET MID |

Client Sample ID: CSB-094-4.0-20240726  
Date Collected: 07/26/24 12:20  
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-10  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 86876        | 07/29/24 09:28       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86877        | 07/29/24 15:36       | SMC     | EET MID |

Client Sample ID: CSB-083-3.0-20240726  
Date Collected: 07/26/24 13:30  
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-11  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 86876        | 07/29/24 09:28       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86877        | 07/29/24 15:44       | SMC     | EET MID |

Client Sample ID: CSB-092-3.0-20240726  
Date Collected: 07/26/24 13:40  
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-12  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 86876        | 07/29/24 09:28       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86877        | 07/29/24 16:08       | SMC     | EET MID |



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-1  
SDG: Loving,NM

Client Sample ID: CSB-100-3.0-20240726  
Date Collected: 07/26/24 13:50  
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-13  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 86876        | 07/29/24 09:28       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86877        | 07/29/24 16:16       | SMC     | EET MID |

Client Sample ID: CSB-101-3.0-20240726  
Date Collected: 07/26/24 14:00  
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-14  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 86876        | 07/29/24 09:28       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86877        | 07/29/24 16:40       | SMC     | EET MID |

Client Sample ID: CSB-102-3.0-20240726  
Date Collected: 07/26/24 14:10  
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-15  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 86876        | 07/29/24 09:28       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86877        | 07/29/24 16:48       | SMC     | EET MID |

Client Sample ID: CSB-083-DUP-3.0-20240726  
Date Collected: 07/26/24 00:00  
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-16  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 86876        | 07/29/24 09:28       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86877        | 07/29/24 16:56       | SMC     | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-1  
SDG: Loving,NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13



Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-1  
SDG: Loving,NM

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

ASTM = ASTM International  
EPA = US Environmental Protection Agency

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

|    |
|----|
| 1  |
| 2  |
| 3  |
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| 8  |
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| 13 |



Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-1  
SDG: Loving,NM

| Lab Sample ID | Client Sample ID         | Matrix | Collected      | Received       | Depth |
|---------------|--------------------------|--------|----------------|----------------|-------|
| 880-46548-1   | CSB-023-3.0-20240726     | Solid  | 07/26/24 10:50 | 07/29/24 08:00 | 3.0   |
| 880-46548-2   | CSB-024-3.0-20240726     | Solid  | 07/26/24 11:00 | 07/29/24 08:00 | 3.0   |
| 880-46548-3   | CSB-025-3.0-20240726     | Solid  | 07/26/24 11:10 | 07/29/24 08:00 | 3.0   |
| 880-46548-4   | CSB-026-3.0-20240726     | Solid  | 07/26/24 11:20 | 07/29/24 08:00 | 3.0   |
| 880-46548-5   | CSB-027-3.0-20240726     | Solid  | 07/26/24 11:30 | 07/29/24 08:00 | 3.0   |
| 880-46548-6   | CSB-033-3.0-20240726     | Solid  | 07/26/24 11:40 | 07/29/24 08:00 | 3.0   |
| 880-46548-7   | CSB-043-3.0-20240726     | Solid  | 07/26/24 11:50 | 07/29/24 08:00 | 3.0   |
| 880-46548-8   | CSB-053-3.0-20240726     | Solid  | 07/26/24 12:00 | 07/29/24 08:00 | 3.0   |
| 880-46548-9   | CSB-073-3.0-20240726     | Solid  | 07/26/24 12:10 | 07/29/24 08:00 | 3.0   |
| 880-46548-10  | CSB-094-4.0-20240726     | Solid  | 07/26/24 12:20 | 07/29/24 08:00 | 4.0   |
| 880-46548-11  | CSB-083-3.0-20240726     | Solid  | 07/26/24 13:30 | 07/29/24 08:00 | 3.0   |
| 880-46548-12  | CSB-092-3.0-20240726     | Solid  | 07/26/24 13:40 | 07/29/24 08:00 | 3.0   |
| 880-46548-13  | CSB-100-3.0-20240726     | Solid  | 07/26/24 13:50 | 07/29/24 08:00 | 3.0   |
| 880-46548-14  | CSB-101-3.0-20240726     | Solid  | 07/26/24 14:00 | 07/29/24 08:00 | 3.0   |
| 880-46548-15  | CSB-102-3.0-20240726     | Solid  | 07/26/24 14:10 | 07/29/24 08:00 | 3.0   |
| 880-46548-16  | CSB-083-DUP-3.0-20240726 | Solid  | 07/26/24 00:00 | 07/29/24 08:00 | 3.0   |





## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 898-3199  
Little Rock, AR (501) 224-5060

## Chain of Custody

## Work O

880-46548 Chain of Custody



Page 1 of 2

|                  |                          |                         |                        |
|------------------|--------------------------|-------------------------|------------------------|
| Project Manager: | Brad Wyne                | Bill to: (if different) |                        |
| Company Name:    | AECOM                    | Company Name:           |                        |
| Address:         | 13355 Nobel Rd Suite 400 | Address:                |                        |
| City, State ZIP: | Dallas, TX 75240         | City, State ZIP:        |                        |
| Phone:           | 214-971-1829             | Email:                  | Bradley.Wyne@AECOM.com |

**Work Order Comments**

**Program:** UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

**State of Project:** NM

**Reporting:** Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

**Deliverables:** EDD ☒ ADAPT ☐ Other: \_\_\_\_\_

|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|--------------------------|--|---------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|----------|--|---------------------------------------------------------------------|--|------------------|--|--|--|--|--|--|--|-------------------------------------------------------------------|--|----------------------------|--|
| Project Name:            |  | Amoco CTB                                                           |  | Turn Around                                                               |  |          |  | Pres. Code                                                          |  | ANALYSIS REQUEST |  |  |  |  |  |  |  |                                                                   |  | Preservative Codes         |  |
| Project Number:          |  | 60734207                                                            |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  | None: NO                                                          |  | DI Water: H <sub>2</sub> O |  |
| Project Location:        |  | Lovins, NM                                                          |  | Due Date:                                                                 |  | 24 hr    |  |                                                                     |  |                  |  |  |  |  |  |  |  | Cool: Cool                                                        |  | MeOH: Me                   |  |
| Sampler's Name:          |  | J. Lovely, J. Cochran                                               |  | TAT starts the day received by the lab, if received by 4:30pm             |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  | HCL: HC                                                           |  | HNO <sub>3</sub>           |  |
| PO #:                    |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |  | NaOH: Na                   |  |
| SAMPLE RECEIPT           |  | Temp Blank:                                                         |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       |  | Wet Ice: |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  |                  |  |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |  |                            |  |
| Samples Received Intact: |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Thermometer ID:                                                           |  | TAS      |  |                                                                     |  |                  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS                                        |  |                            |  |
| Cooler Custody Seals:    |  | Yes No <input checked="" type="checkbox"/> N/A                      |  | Correction Factor:                                                        |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |                            |  |
| Sample Custody Seals:    |  | Yes No <input checked="" type="checkbox"/> N/A                      |  | Temperature Reading:                                                      |  | 2.6      |  |                                                                     |  |                  |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn                                               |  |                            |  |
| Total Containers:        |  |                                                                     |  | Corrected Temperature:                                                    |  | 5.5      |  |                                                                     |  |                  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid: SAPC                                          |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |

[illegible]

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |               |             |       |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------|-------------|-------|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|------------------|----|----|----|----|---|---|----|
| Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 200.7 / 6010 | 200.8 / 6020: | 8RCRA       | 13PPM | Texas 11 | Al | Sb | As | Ba | Be | B  | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | Se | Ag | SiO <sub>2</sub> | Na | Sr | Ti | Sn | U | V | Zn |
| Circle Method(s) and Metal(s) to be analyzed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |               | TCLP / SPLP | 6010: | 8RCRA    | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se | Ag | Ti | U  |    |   |    |    |                  |    |    |    |    |   |   |    |
| <p>Notice: Signature of this document and milliquantification of samples constitutes a valid purchase order from client company to Eurofins Xenocon, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenocon will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenocon. A minimum charge of \$86.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenocon, but not analyzed. These terms will be enforced unless previously negotiated.</p> |              |               |             |       |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
| <p>Hg: 1631 / 245.1 / 7470 / 7471</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |               |             |       |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| 1 <i>[Signature]</i> - AECOM | <i>[Signature]</i>       | 7/26/21 1630 | 2                            |                          |           |
| 3                            |                          |              | 4                            |                          |           |
| 5                            |                          |              | 6                            |                          |           |





Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3189  
Little Rock, AR (501) 224-5060

Work Order No:

46548

Page 2 of 2

|                  |                          |                         |                         |
|------------------|--------------------------|-------------------------|-------------------------|
| Project Manager: | Brad Wynne               | Bill to: (if different) |                         |
| Company Name:    | AECOM                    | Company Name:           |                         |
| Address:         | 13355 Noel Rd. Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas, TX 75240         | City, State ZIP:        |                         |
| Phone:           | 214-971-1829             | Email:                  | Bradley.Wynne@AECOM.com |

|                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                              |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project: NM                                                                                                                                                             |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

|                          |                      |                                                                           |                      |                  |        |           |           |           |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |                                     |  |                 |  |  |
|--------------------------|----------------------|---------------------------------------------------------------------------|----------------------|------------------|--------|-----------|-----------|-----------|--|--|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------|----------------------------|-------------------------------------|--|-----------------|--|--|
| Project Name:            | Ameo CTB             | Turn Around                                                               | Pres. Code           | ANALYSIS REQUEST |        |           |           |           |  |  |  |  |  |  |  |  |  |  |  | Preservative Codes                                                |                            |                                     |  |                 |  |  |
| Project Number:          | 60734207             | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |                      |                  |        |           |           |           |  |  |  |  |  |  |  |  |  |  |  | None: NO                                                          | DI Water: H <sub>2</sub> O |                                     |  |                 |  |  |
| Project Location:        | Leving, NM           | Due Date:                                                                 | 24 hr                |                  |        |           |           |           |  |  |  |  |  |  |  |  |  |  |  | Cool: Cool                                                        | MeOH: Me                   |                                     |  |                 |  |  |
| Sampler's Name:          | J. Lovely, J. Redwin | TAT starts the day received by the lab, if received by 4:30pm             |                      |                  |        |           |           |           |  |  |  |  |  |  |  |  |  |  |  | HCL: HC                                                           | HNO <sub>3</sub>           |                                     |  |                 |  |  |
| PO #:                    |                      |                                                                           |                      |                  |        |           |           |           |  |  |  |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |                                     |  |                 |  |  |
| SAMPLE RECEIPT           |                      | Temp Blank:                                                               | Yes No               | Wet Ice:         | Yes No |           |           |           |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            | H <sub>3</sub> PO <sub>4</sub> : HP |  |                 |  |  |
| Samples Received Intact: |                      | Yes No                                                                    | Thermometer ID:      |                  |        |           |           |           |  |  |  |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS                                        |                            |                                     |  |                 |  |  |
| Cooler Custody Seals:    |                      | Yes No N/A                                                                | Correction Factor:   |                  |        |           |           |           |  |  |  |  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |                                     |  |                 |  |  |
| Sample Custody Seals:    |                      | Yes No N/A                                                                | Temperature Reading: |                  |        |           |           |           |  |  |  |  |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn                                               |                            |                                     |  |                 |  |  |
| Total Containers:        |                      | Corrected Temperature:                                                    |                      |                  |        |           |           |           |  |  |  |  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid: SAPC                                          |                            |                                     |  |                 |  |  |
| Sample Identification    |                      | Matrix                                                                    | Date Sampled         | Time Sampled     | Depth  | Grab Comp | # of Cont | Chlorides |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |                                     |  | Sample Comments |  |  |
| CSB-083-3.0-20240726     |                      | 5:1                                                                       | 7/26/24              | 1330             | 3.0    | C         | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |                                     |  |                 |  |  |
| CSB-092-3.0-20240726     |                      | 5:1                                                                       | 7/26/24              | 1340             | 3.0    | C         | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |                                     |  |                 |  |  |
| CSB-100-3.0-20240726     |                      | 5:1                                                                       | 7/26/24              | 1350             | 3.0    | C         | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |                                     |  |                 |  |  |
| CSB-101-3.0-20240726     |                      | 5:1                                                                       | 7/26/24              | 1400             | 3.0    | C         | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |                                     |  |                 |  |  |
| CSB-102-3.0-20240726     |                      | 5:1                                                                       | 7/26/24              | 1410             | 3.0    | C         | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |                                     |  |                 |  |  |
| CSB-083-DUP-3.0-20240726 |                      | 5:1                                                                       | 7/26/24              | —                | 3.0    | C         | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |                                     |  |                 |  |  |

|                                              |                         |                                                |                                                                                               |
|----------------------------------------------|-------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020:           | 8RCRA 13PPM Texas 11                           | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA | Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245.1 / 7470 / 7471                                                                |

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |              |                              |                          |           |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| 1. <i>Brad - AECOM</i>       | <i>[Signature]</i>       | 7/29/24 1630 | 2.                           |                          |           |
| 3.                           |                          |              | 4.                           |                          |           |
| 5.                           |                          |              | 6.                           |                          |           |



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46548-1

SDG Number: Loving, NM

Login Number: 46548

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

- 1
- 2
- 3
- 4
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- 8
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- 10
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- 12
- 13
- 14

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 7/31/2024 9:58:32 AM

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-46548-2

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
7/31/2024 9:58:32 AM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-46548-2  
SDG: Loving,NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-2  
SDG: Loving,NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                      |
|-----------|------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased. |
| *1        | LCS/LCSD RPD exceeds control limits.                       |
| S1-       | Surrogate recovery exceeds control limits, low biased.     |
| S1+       | Surrogate recovery exceeds control limits, high biased.    |
| U         | Indicates the analyte was analyzed for but not detected.   |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-46548-2

Job ID: 880-46548-2

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**Job Narrative**  
**880-46548-2**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The samples were received on 7/29/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C.

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-023-3.0-20240726 (880-46548-1), CSB-024-3.0-20240726 (880-46548-2), CSB-025-3.0-20240726 (880-46548-3), CSB-026-3.0-20240726 (880-46548-4), CSB-027-3.0-20240726 (880-46548-5), CSB-033-3.0-20240726 (880-46548-6), CSB-043-3.0-20240726 (880-46548-7), CSB-053-3.0-20240726 (880-46548-8), CSB-073-3.0-20240726 (880-46548-9), CSB-094-4.0-20240726 (880-46548-10), CSB-083-3.0-20240726 (880-46548-11), CSB-092-3.0-20240726 (880-46548-12), CSB-100-3.0-20240726 (880-46548-13), CSB-101-3.0-20240726 (880-46548-14), CSB-102-3.0-20240726 (880-46548-15) and CSB-083-DUP-3.0-20240726 (880-46548-16).

**GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Diesel Range Organics**

Method 8015MOD\_NM: The laboratory control sample (LCS) associated with preparation batch 880-86878 and analytical batch 880-86943 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD\_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-86878 and analytical batch 880-86943 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

Method 8015MOD\_NM: The CCV was biased high for both gasoline and diesel analyte ranges. Another CCV was acceptable within the method determined 12 hour window; therefore the data was qualified and reported.

(CCV 880-86943/19)

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: CSB-025-3.0-20240726 (880-46548-3), CSB-027-3.0-20240726 (880-46548-5) and (MB 880-86878/1-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-2  
SDG: Loving,NM

Client Sample ID: CSB-023-3.0-20240726

Lab Sample ID: 880-46548-1

Date Collected: 07/26/24 10:50

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 12:21 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 12:21 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 12:21 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 12:21 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 12:21 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 12:21 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 07/29/24 09:25 | 07/29/24 12:21 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 07/29/24 09:25 | 07/29/24 12:21 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 07/29/24 12:21 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 | mg/Kg |   |          | 07/30/24 13:05 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7  | U *1      | 49.7 | mg/Kg |   | 07/29/24 10:22 | 07/30/24 13:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7  | U ** *1   | 49.7 | mg/Kg |   | 07/29/24 10:22 | 07/30/24 13:05 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7  | U         | 49.7 | mg/Kg |   | 07/29/24 10:22 | 07/30/24 13:05 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 84        |           | 70 - 130 | 07/29/24 10:22 | 07/30/24 13:05 | 1       |
| o-Terphenyl    | 96        |           | 70 - 130 | 07/29/24 10:22 | 07/30/24 13:05 | 1       |

Client Sample ID: CSB-024-3.0-20240726

Lab Sample ID: 880-46548-2

Date Collected: 07/26/24 11:00

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 12:42 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 12:42 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 12:42 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 12:42 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 12:42 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 12:42 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 | 07/29/24 09:25 | 07/29/24 12:42 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 | 07/29/24 09:25 | 07/29/24 12:42 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-2  
SDG: Loving,NM

Client Sample ID: CSB-024-3.0-20240726

Lab Sample ID: 880-46548-2

Date Collected: 07/26/24 11:00

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 07/29/24 12:42 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 | mg/Kg |   |          | 07/30/24 13:52 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7     | U *1      | 49.7     | mg/Kg |   | 07/29/24 10:22 | 07/30/24 13:52 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7     | U ** *1   | 49.7     | mg/Kg |   | 07/29/24 10:22 | 07/30/24 13:52 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7     | U         | 49.7     | mg/Kg |   | 07/29/24 10:22 | 07/30/24 13:52 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 73        |           | 70 - 130 |       |   | 07/29/24 10:22 | 07/30/24 13:52 | 1       |
| o-Terphenyl                          | 85        |           | 70 - 130 |       |   | 07/29/24 10:22 | 07/30/24 13:52 | 1       |

Client Sample ID: CSB-025-3.0-20240726

Lab Sample ID: 880-46548-3

Date Collected: 07/26/24 11:10

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:02 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:02 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:02 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:02 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:02 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:02 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 |       |   | 07/29/24 09:25 | 07/29/24 13:02 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 |       |   | 07/29/24 09:25 | 07/29/24 13:02 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 07/29/24 13:02 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 07/30/24 14:08 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U *1      | 50.0 | mg/Kg |   | 07/29/24 10:22 | 07/30/24 14:08 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U ** *1   | 50.0 | mg/Kg |   | 07/29/24 10:22 | 07/30/24 14:08 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | mg/Kg |   | 07/29/24 10:22 | 07/30/24 14:08 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-2  
SDG: Loving,NM

Client Sample ID: CSB-025-3.0-20240726

Lab Sample ID: 880-46548-3

Date Collected: 07/26/24 11:10

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 66        | S1-       | 70 - 130 | 07/29/24 10:22 | 07/30/24 14:08 | 1       |
| o-Terphenyl    | 78        |           | 70 - 130 | 07/29/24 10:22 | 07/30/24 14:08 | 1       |

Client Sample ID: CSB-026-3.0-20240726

Lab Sample ID: 880-46548-4

Date Collected: 07/26/24 11:20

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:23 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:23 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:23 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:23 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:23 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:23 | 1       |
|                             |           |           |          |       |   |                |                |         |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 |       |   | 07/29/24 09:25 | 07/29/24 13:23 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 |       |   | 07/29/24 09:25 | 07/29/24 13:23 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 07/29/24 13:23 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 07/30/24 14:24 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U *1      | 49.8     | mg/Kg |   | 07/29/24 10:22 | 07/30/24 14:24 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U *+ *1   | 49.8     | mg/Kg |   | 07/29/24 10:22 | 07/30/24 14:24 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 07/29/24 10:22 | 07/30/24 14:24 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 79        |           | 70 - 130 |       |   | 07/29/24 10:22 | 07/30/24 14:24 | 1       |
| o-Terphenyl                          | 90        |           | 70 - 130 |       |   | 07/29/24 10:22 | 07/30/24 14:24 | 1       |

Client Sample ID: CSB-027-3.0-20240726

Lab Sample ID: 880-46548-5

Date Collected: 07/26/24 11:30

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:43 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:43 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:43 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:43 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-2  
SDG: Loving,NM

Client Sample ID: CSB-027-3.0-20240726

Lab Sample ID: 880-46548-5

Date Collected: 07/26/24 11:30

Matrix: Solid

Date Received: 07/29/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:43 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 07/29/24 09:25 | 07/29/24 13:43 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 |       |   | 07/29/24 09:25 | 07/29/24 13:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 |       |   | 07/29/24 09:25 | 07/29/24 13:43 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 07/29/24 13:43 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 07/30/24 14:40 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U *1      | 49.8     | mg/Kg |   | 07/29/24 10:22 | 07/30/24 14:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U *+ *1   | 49.8     | mg/Kg |   | 07/29/24 10:22 | 07/30/24 14:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 07/29/24 10:22 | 07/30/24 14:40 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 69        | S1-       | 70 - 130 |       |   | 07/29/24 10:22 | 07/30/24 14:40 | 1       |
| o-Terphenyl                          | 79        |           | 70 - 130 |       |   | 07/29/24 10:22 | 07/30/24 14:40 | 1       |

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Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-2  
SDG: Loving,NM

Method: 8021B - Volatile Organic Compounds (GC)  
Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-46548-1                       | CSB-023-3.0-20240726   | 104                                            | 94                |
| 880-46548-1 MS                    | CSB-023-3.0-20240726   | 99                                             | 99                |
| 880-46548-1 MSD                   | CSB-023-3.0-20240726   | 97                                             | 97                |
| 880-46548-2                       | CSB-024-3.0-20240726   | 103                                            | 91                |
| 880-46548-3                       | CSB-025-3.0-20240726   | 110                                            | 93                |
| 880-46548-4                       | CSB-026-3.0-20240726   | 108                                            | 93                |
| 880-46548-5                       | CSB-027-3.0-20240726   | 108                                            | 91                |
| LCS 880-86875/1-A                 | Lab Control Sample     | 93                                             | 96                |
| LCSD 880-86875/2-A                | Lab Control Sample Dup | 100                                            | 96                |
| MB 880-86875/5-A                  | Method Blank           | 97                                             | 82                |
| Surrogate Legend                  |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

Method: 8015B NM - Diesel Range Organics (DRO) (GC)  
Matrix: Solid

Prep Type: Total/NA

|                      |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|----------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID        | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-46548-1          | CSB-023-3.0-20240726   | 84                                             | 96                |
| 880-46548-1 MS       | CSB-023-3.0-20240726   | 88                                             | 87                |
| 880-46548-1 MSD      | CSB-023-3.0-20240726   | 87                                             | 86                |
| 880-46548-2          | CSB-024-3.0-20240726   | 73                                             | 85                |
| 880-46548-3          | CSB-025-3.0-20240726   | 66 S1-                                         | 78                |
| 880-46548-4          | CSB-026-3.0-20240726   | 79                                             | 90                |
| 880-46548-5          | CSB-027-3.0-20240726   | 69 S1-                                         | 79                |
| LCS 880-86878/2-A    | Lab Control Sample     | 147 S1+                                        | 152 S1+           |
| LCSD 880-86878/3-A   | Lab Control Sample Dup | 108                                            | 110               |
| MB 880-86878/1-A     | Method Blank           | 61 S1-                                         | 75                |
| Surrogate Legend     |                        |                                                |                   |
| 1CO = 1-Chlorooctane |                        |                                                |                   |
| OTPH = o-Terphenyl   |                        |                                                |                   |



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-2  
SDG: Loving,NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-86875/5-A

Matrix: Solid

Analysis Batch: 86858

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86875

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 11:59 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 11:59 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 11:59 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 11:59 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 11:59 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | mg/Kg |   | 07/29/24 09:25 | 07/29/24 11:59 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97              |                 | 70 - 130 | 07/29/24 09:25 | 07/29/24 11:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82              |                 | 70 - 130 | 07/29/24 09:25 | 07/29/24 11:59 | 1       |

Lab Sample ID: LCS 880-86875/1-A

Matrix: Solid

Analysis Batch: 86858

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86875

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.09885       |                  | mg/Kg |   | 99   | 70 - 130       |
| Toluene             | 0.100          | 0.08632       |                  | mg/Kg |   | 86   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.08879       |                  | mg/Kg |   | 89   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1772        |                  | mg/Kg |   | 89   | 70 - 130       |
| o-Xylene            | 0.100          | 0.09119       |                  | mg/Kg |   | 91   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 93               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 96               |                  | 70 - 130 |

Lab Sample ID: LCSD 880-86875/2-A

Matrix: Solid

Analysis Batch: 86858

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86875

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1101         |                   | mg/Kg |   | 110  | 70 - 130       | 11  | 35           |
| Toluene             | 0.100          | 0.09737        |                   | mg/Kg |   | 97   | 70 - 130       | 12  | 35           |
| Ethylbenzene        | 0.100          | 0.1009         |                   | mg/Kg |   | 101  | 70 - 130       | 13  | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2007         |                   | mg/Kg |   | 100  | 70 - 130       | 12  | 35           |
| o-Xylene            | 0.100          | 0.1019         |                   | mg/Kg |   | 102  | 70 - 130       | 11  | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 100               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 96                |                   | 70 - 130 |

Lab Sample ID: 880-46548-1 MS

Matrix: Solid

Analysis Batch: 86858

Client Sample ID: CSB-023-3.0-20240726

Prep Type: Total/NA

Prep Batch: 86875

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00202         | U                   | 0.100          | 0.1173       |                 | mg/Kg |   | 117  | 70 - 130       |
| Toluene | <0.00202         | U                   | 0.100          | 0.1026       |                 | mg/Kg |   | 103  | 70 - 130       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-2  
SDG: Loving,NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-46548-1 MS

Matrix: Solid

Analysis Batch: 86858

Client Sample ID: CSB-023-3.0-20240726

Prep Type: Total/NA

Prep Batch: 86875

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00202      | U                | 0.100       | 0.1064    |              | mg/Kg |   | 106  | 70 - 130    |
| m-Xylene & p-Xylene | <0.00404      | U                | 0.200       | 0.2115    |              | mg/Kg |   | 106  | 70 - 130    |
| o-Xylene            | <0.00202      | U                | 0.100       | 0.1070    |              | mg/Kg |   | 107  | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 99           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 99           |              | 70 - 130 |

Lab Sample ID: 880-46548-1 MSD

Matrix: Solid

Analysis Batch: 86858

Client Sample ID: CSB-023-3.0-20240726

Prep Type: Total/NA

Prep Batch: 86875

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00202      | U                | 0.100       | 0.1158     |               | mg/Kg |   | 116  | 70 - 130    | 1   | 35        |
| Toluene             | <0.00202      | U                | 0.100       | 0.1010     |               | mg/Kg |   | 101  | 70 - 130    | 2   | 35        |
| Ethylbenzene        | <0.00202      | U                | 0.100       | 0.1043     |               | mg/Kg |   | 104  | 70 - 130    | 2   | 35        |
| m-Xylene & p-Xylene | <0.00404      | U                | 0.200       | 0.2080     |               | mg/Kg |   | 104  | 70 - 130    | 2   | 35        |
| o-Xylene            | <0.00202      | U                | 0.100       | 0.1051     |               | mg/Kg |   | 105  | 70 - 130    | 2   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 97            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97            |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-86878/1-A

Matrix: Solid

Analysis Batch: 86943

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86878

| Analyte                              | MB Result | MB Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 | mg/Kg |   | 07/29/24 10:22 | 07/30/24 10:02 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 | mg/Kg |   | 07/29/24 10:22 | 07/30/24 10:02 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 | mg/Kg |   | 07/29/24 10:22 | 07/30/24 10:02 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 61           | S1-          | 70 - 130 | 07/29/24 10:22 | 07/30/24 10:02 | 1       |
| o-Terphenyl    | 75           |              | 70 - 130 | 07/29/24 10:22 | 07/30/24 10:02 | 1       |

Lab Sample ID: LCS 880-86878/2-A

Matrix: Solid

Analysis Batch: 86943

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86878

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1132       |               | mg/Kg |   | 113  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1425       | *+            | mg/Kg |   | 142  | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-2  
SDG: Loving,NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-86878/2-A

Matrix: Solid

Analysis Batch: 86943

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86878

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 147       | S1+       | 70 - 130 |
| o-Terphenyl    | 152       | S1+       | 70 - 130 |

Lab Sample ID: LCSD 880-86878/3-A

Matrix: Solid

Analysis Batch: 86943

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86878

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 906.6       | *1             | mg/Kg |   | 91   | 70 - 130    | 22  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1015        | *1             | mg/Kg |   | 101  | 70 - 130    | 34  | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 108       |           | 70 - 130 |
| o-Terphenyl    | 110       |           | 70 - 130 |

Lab Sample ID: 880-46548-1 MS

Matrix: Solid

Analysis Batch: 86943

Client Sample ID: CSB-023-3.0-20240726

Prep Type: Total/NA

Prep Batch: 86878

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7         | U *1             | 998         | 791.1     |              | mg/Kg |   | 79   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <49.7         | U ** *1          | 998         | 812.3     |              | mg/Kg |   | 81   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 88        |           | 70 - 130 |
| o-Terphenyl    | 87        |           | 70 - 130 |

Lab Sample ID: 880-46548-1 MSD

Matrix: Solid

Analysis Batch: 86943

Client Sample ID: CSB-023-3.0-20240726

Prep Type: Total/NA

Prep Batch: 86878

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7         | U *1             | 998         | 761.2      |               | mg/Kg |   | 76   | 70 - 130    | 4   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.7         | U ** *1          | 998         | 801.5      |               | mg/Kg |   | 80   | 70 - 130    | 1   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 87        |           | 70 - 130 |
| o-Terphenyl    | 86        |           | 70 - 130 |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-2  
SDG: Loving,NM

## GC VOA

## Analysis Batch: 86858

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46548-1        | CSB-023-3.0-20240726   | Total/NA  | Solid  | 8021B  | 86875      |
| 880-46548-2        | CSB-024-3.0-20240726   | Total/NA  | Solid  | 8021B  | 86875      |
| 880-46548-3        | CSB-025-3.0-20240726   | Total/NA  | Solid  | 8021B  | 86875      |
| 880-46548-4        | CSB-026-3.0-20240726   | Total/NA  | Solid  | 8021B  | 86875      |
| 880-46548-5        | CSB-027-3.0-20240726   | Total/NA  | Solid  | 8021B  | 86875      |
| MB 880-86875/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 86875      |
| LCS 880-86875/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 86875      |
| LCSD 880-86875/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 86875      |
| 880-46548-1 MS     | CSB-023-3.0-20240726   | Total/NA  | Solid  | 8021B  | 86875      |
| 880-46548-1 MSD    | CSB-023-3.0-20240726   | Total/NA  | Solid  | 8021B  | 86875      |

## Prep Batch: 86875

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46548-1        | CSB-023-3.0-20240726   | Total/NA  | Solid  | 5035   |            |
| 880-46548-2        | CSB-024-3.0-20240726   | Total/NA  | Solid  | 5035   |            |
| 880-46548-3        | CSB-025-3.0-20240726   | Total/NA  | Solid  | 5035   |            |
| 880-46548-4        | CSB-026-3.0-20240726   | Total/NA  | Solid  | 5035   |            |
| 880-46548-5        | CSB-027-3.0-20240726   | Total/NA  | Solid  | 5035   |            |
| MB 880-86875/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-86875/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-86875/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-46548-1 MS     | CSB-023-3.0-20240726   | Total/NA  | Solid  | 5035   |            |
| 880-46548-1 MSD    | CSB-023-3.0-20240726   | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 87007

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method     | Prep Batch |
|---------------|----------------------|-----------|--------|------------|------------|
| 880-46548-1   | CSB-023-3.0-20240726 | Total/NA  | Solid  | Total BTEX |            |
| 880-46548-2   | CSB-024-3.0-20240726 | Total/NA  | Solid  | Total BTEX |            |
| 880-46548-3   | CSB-025-3.0-20240726 | Total/NA  | Solid  | Total BTEX |            |
| 880-46548-4   | CSB-026-3.0-20240726 | Total/NA  | Solid  | Total BTEX |            |
| 880-46548-5   | CSB-027-3.0-20240726 | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 86878

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-46548-1        | CSB-023-3.0-20240726   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46548-2        | CSB-024-3.0-20240726   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46548-3        | CSB-025-3.0-20240726   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46548-4        | CSB-026-3.0-20240726   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46548-5        | CSB-027-3.0-20240726   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-86878/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-86878/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-86878/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46548-1 MS     | CSB-023-3.0-20240726   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46548-1 MSD    | CSB-023-3.0-20240726   | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 86943

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method   | Prep Batch |
|---------------|----------------------|-----------|--------|----------|------------|
| 880-46548-1   | CSB-023-3.0-20240726 | Total/NA  | Solid  | 8015B NM | 86878      |
| 880-46548-2   | CSB-024-3.0-20240726 | Total/NA  | Solid  | 8015B NM | 86878      |

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QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-2  
SDG: Loving,NM

GC Semi VOA (Continued)

Analysis Batch: 86943 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46548-3        | CSB-025-3.0-20240726   | Total/NA  | Solid  | 8015B NM | 86878      |
| 880-46548-4        | CSB-026-3.0-20240726   | Total/NA  | Solid  | 8015B NM | 86878      |
| 880-46548-5        | CSB-027-3.0-20240726   | Total/NA  | Solid  | 8015B NM | 86878      |
| MB 880-86878/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 86878      |
| LCS 880-86878/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 86878      |
| LCSD 880-86878/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 86878      |
| 880-46548-1 MS     | CSB-023-3.0-20240726   | Total/NA  | Solid  | 8015B NM | 86878      |
| 880-46548-1 MSD    | CSB-023-3.0-20240726   | Total/NA  | Solid  | 8015B NM | 86878      |

Analysis Batch: 87113

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method  | Prep Batch |
|---------------|----------------------|-----------|--------|---------|------------|
| 880-46548-1   | CSB-023-3.0-20240726 | Total/NA  | Solid  | 8015 NM |            |
| 880-46548-2   | CSB-024-3.0-20240726 | Total/NA  | Solid  | 8015 NM |            |
| 880-46548-3   | CSB-025-3.0-20240726 | Total/NA  | Solid  | 8015 NM |            |
| 880-46548-4   | CSB-026-3.0-20240726 | Total/NA  | Solid  | 8015 NM |            |
| 880-46548-5   | CSB-027-3.0-20240726 | Total/NA  | Solid  | 8015 NM |            |



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-2  
SDG: Loving,NM

Client Sample ID: CSB-023-3.0-20240726

Lab Sample ID: 880-46548-1

Date Collected: 07/26/24 10:50

Matrix: Solid

Date Received: 07/29/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 86875        | 07/29/24 09:25       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86858        | 07/29/24 12:21       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87007        | 07/29/24 12:21       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87113        | 07/30/24 13:05       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 86878        | 07/29/24 10:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86943        | 07/30/24 13:05       | AJ      | EET MID |

Client Sample ID: CSB-024-3.0-20240726

Lab Sample ID: 880-46548-2

Date Collected: 07/26/24 11:00

Matrix: Solid

Date Received: 07/29/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 86875        | 07/29/24 09:25       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86858        | 07/29/24 12:42       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87007        | 07/29/24 12:42       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87113        | 07/30/24 13:52       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 86878        | 07/29/24 10:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86943        | 07/30/24 13:52       | AJ      | EET MID |

Client Sample ID: CSB-025-3.0-20240726

Lab Sample ID: 880-46548-3

Date Collected: 07/26/24 11:10

Matrix: Solid

Date Received: 07/29/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 86875        | 07/29/24 09:25       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86858        | 07/29/24 13:02       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87007        | 07/29/24 13:02       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87113        | 07/30/24 14:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 86878        | 07/29/24 10:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86943        | 07/30/24 14:08       | AJ      | EET MID |

Client Sample ID: CSB-026-3.0-20240726

Lab Sample ID: 880-46548-4

Date Collected: 07/26/24 11:20

Matrix: Solid

Date Received: 07/29/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 86875        | 07/29/24 09:25       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86858        | 07/29/24 13:23       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87007        | 07/29/24 13:23       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87113        | 07/30/24 14:24       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 86878        | 07/29/24 10:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86943        | 07/30/24 14:24       | AJ      | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-2  
SDG: Loving,NM

Client Sample ID: CSB-027-3.0-20240726  
Date Collected: 07/26/24 11:30  
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 86875        | 07/29/24 09:25       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86858        | 07/29/24 13:43       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87007        | 07/29/24 13:43       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87113        | 07/30/24 14:40       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 86878        | 07/29/24 10:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86943        | 07/30/24 14:40       | AJ      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-2  
SDG: Loving,NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |



Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-2  
SDG: Loving,NM

| Method      | Method Description               | Protocol | Laboratory |
|-------------|----------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)  | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation           | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 5035        | Closed System Purge and Trap     | SW846    | EET MID    |
| 8015NM Prep | Microextraction                  | SW846    | EET MID    |

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46548-2  
SDG: Loving,NM

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       | Depth |
|---------------|----------------------|--------|----------------|----------------|-------|
| 880-46548-1   | CSB-023-3.0-20240726 | Solid  | 07/26/24 10:50 | 07/29/24 08:00 | 3.0   |
| 880-46548-2   | CSB-024-3.0-20240726 | Solid  | 07/26/24 11:00 | 07/29/24 08:00 | 3.0   |
| 880-46548-3   | CSB-025-3.0-20240726 | Solid  | 07/26/24 11:10 | 07/29/24 08:00 | 3.0   |
| 880-46548-4   | CSB-026-3.0-20240726 | Solid  | 07/26/24 11:20 | 07/29/24 08:00 | 3.0   |
| 880-46548-5   | CSB-027-3.0-20240726 | Solid  | 07/26/24 11:30 | 07/29/24 08:00 | 3.0   |

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## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 802-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 888-3199  
Little Rock, AR (501) 224-5060

## Chain of Custody

## Work O

880-46548 Chain of Custody



Page 1 of 2

|                  |                          |                         |                        |
|------------------|--------------------------|-------------------------|------------------------|
| Project Manager: | Brad Wyne                | Bill to: (if different) |                        |
| Company Name:    | AECOM                    | Company Name:           |                        |
| Address:         | 13355 Nobel Rd Suite 400 | Address:                |                        |
| City, State ZIP: | Dallas, TX 75240         | City, State ZIP:        |                        |
| Phone:           | 214-971-1829             | Email:                  | Bradley.Wyne@AECOM.com |

**Work Order Comments**

**Program:** UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

**State of Project:** NM

**Reporting:** Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

**Deliverables:** EDD ☒ ADAPT ☐ Other: \_\_\_\_\_

|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|--------------------------|--|---------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|----------|--|---------------------------------------------------------------------|--|------------------|--|--|--|--|--|--|--|-------------------------------------------------------------------|--|----------------------------|--|
| Project Name:            |  | Amoco CTB                                                           |  | Turn Around                                                               |  |          |  | Pres. Code                                                          |  | ANALYSIS REQUEST |  |  |  |  |  |  |  |                                                                   |  | Preservative Codes         |  |
| Project Number:          |  | 60734207                                                            |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  | None: NO                                                          |  | DI Water: H <sub>2</sub> O |  |
| Project Location:        |  | Lovins, NM                                                          |  | Due Date:                                                                 |  | 24 hr    |  |                                                                     |  |                  |  |  |  |  |  |  |  | Cool: Cool                                                        |  | MeOH: Me                   |  |
| Sampler's Name:          |  | J. Lovely, J. Graham                                                |  | TAT starts the day received by the lab, if received by 4:30pm             |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  | HCL: HC                                                           |  | HNO <sub>3</sub>           |  |
| PO #:                    |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |  | NaOH: Na                   |  |
| SAMPLE RECEIPT           |  | Temp Blank:                                                         |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       |  | Wet Ice: |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  |                  |  |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |  |                            |  |
| Samples Received Intact: |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Thermometer ID:                                                           |  | TAS      |  |                                                                     |  |                  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS                                        |  |                            |  |
| Cooler Custody Seals:    |  | Yes No <input checked="" type="checkbox"/> N/A                      |  | Correction Factor:                                                        |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |                            |  |
| Sample Custody Seals:    |  | Yes No <input checked="" type="checkbox"/> N/A                      |  | Temperature Reading:                                                      |  | 2.6      |  |                                                                     |  |                  |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn                                               |  |                            |  |
| Total Containers:        |  |                                                                     |  | Corrected Temperature:                                                    |  | 5.5      |  |                                                                     |  |                  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid: SAPC                                          |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
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|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
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|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|                          |  |                                                                     |  |                                                                           |  |          |  |                                                                     |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |

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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| 1 <i>[Signature]</i> - AECOM | <i>[Signature]</i>       | 7/26/21 1630 | 2                            |                          |           |
| 3                            |                          |              | 4                            |                          |           |
| 5                            |                          |              | 6                            |                          |           |





Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060

Work Order No:

46548

Page 2 of 2

|                  |                          |                         |                        |
|------------------|--------------------------|-------------------------|------------------------|
| Project Manager: | Brad Wyne                | Bill to: (if different) |                        |
| Company Name:    | AECOM                    | Company Name:           |                        |
| Address:         | 13355 Noel Rd. Suite 400 | Address:                |                        |
| City, State ZIP: | Dallas, TX 75240         | City, State ZIP:        |                        |
| Phone:           | 214-971-1829             | Email:                  | Bradley.Wyne@AECOM.com |

|                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                              |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project: NM                                                                                                                                                             |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

|                          |                      |                                                                           |                      |                  |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |                                     |                 |  |
|--------------------------|----------------------|---------------------------------------------------------------------------|----------------------|------------------|-----------|-----------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------|----------------------------|-------------------------------------|-----------------|--|
| Project Name:            | Ameco CTB            | Turn Around                                                               | Pres. Code           | ANALYSIS REQUEST |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  | Preservative Codes                                                |                            |                                     |                 |  |
| Project Number:          | 60734207             | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |                      |                  |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  | None: NO                                                          | DI Water: H <sub>2</sub> O |                                     |                 |  |
| Project Location:        | Leving, NM           | Due Date:                                                                 | 24 hr                |                  |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  | Cool: Cool                                                        | MeOH: Me                   |                                     |                 |  |
| Sampler's Name:          | J. Lovely, J. Redwin | TAT starts the day received by the lab, if received by 4:30pm             |                      |                  |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  | HCL: HC                                                           | HNO <sub>3</sub>           |                                     |                 |  |
| PO #:                    |                      |                                                                           |                      |                  |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |                                     |                 |  |
| SAMPLE RECEIPT           |                      | Temp Blank:                                                               | Yes No               | Wet Ice:         | Yes No    |           |           |  |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            | H <sub>3</sub> PO <sub>4</sub> : HP |                 |  |
| Samples Received Intact: |                      | Yes No                                                                    | Thermometer ID:      |                  |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS                                        |                            |                                     |                 |  |
| Cooler Custody Seals:    |                      | Yes No N/A                                                                | Correction Factor:   |                  |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |                                     |                 |  |
| Sample Custody Seals:    |                      | Yes No N/A                                                                | Temperature Reading: |                  |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn                                               |                            |                                     |                 |  |
| Total Containers:        |                      | Corrected Temperature:                                                    |                      |                  |           |           |           |  |  |  |  |  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid: SAPC                                          |                            |                                     |                 |  |
| Sample Identification    | Matrix               | Date Sampled                                                              | Time Sampled         | Depth            | Grab Comp | # of Cont | Chlorides |  |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |                                     | Sample Comments |  |
| CSB-083-3.0-20240726     | 5:1                  | 7/26/24                                                                   | 1330                 | 3.0              | C         | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |                                     |                 |  |
| CSB-092-3.0-20240726     | 5:1                  | 7/26/24                                                                   | 1340                 | 3.0              | C         | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |                                     |                 |  |
| CSB-100-3.0-20240726     | 5:1                  | 7/26/24                                                                   | 1350                 | 3.0              | C         | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |                                     |                 |  |
| CSB-101-3.0-20240726     | 5:1                  | 7/26/24                                                                   | 1400                 | 3.0              | C         | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |                                     |                 |  |
| CSB-102-3.0-20240726     | 5:1                  | 7/26/24                                                                   | 1410                 | 3.0              | C         | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |                                     |                 |  |
| CSB-083-DUP-3.0-20240726 | 5:1                  | 7/26/24                                                                   | —                    | 3.0              | C         | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |                                     |                 |  |

|                                              |                         |                                                |                                                                                               |
|----------------------------------------------|-------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020:           | 8RCRA 13PPM Texas 11                           | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA | Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245.1 / 7470 / 7471                                                                |

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                                |                          |              |                              |                          |           |
|--------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature)   | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| 1. <i>Bradley Wyne</i> - AECOM | <i>Bradley Wyne</i>      | 7/26/24 1630 | 2.                           |                          |           |
| 3.                             |                          |              | 4.                           |                          |           |
| 5.                             |                          |              | 6.                           |                          |           |



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46548-2

SDG Number: Loving, NM

Login Number: 46548

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 7/31/2024 11:08:03 AM

## JOB DESCRIPTION

Amoco  
Loving, NM

## JOB NUMBER

880-46622-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
7/31/2024 11:08:03 AM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco

Laboratory Job ID: 880-46622-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco

Job ID: 880-46622-1  
SDG: Loving, NM

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



Case Narrative

Client: AECOM  
Project: Amoco

Job ID: 880-46622-1

Job ID: 880-46622-1

Eurofins Midland

Job Narrative  
880-46622-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/30/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-87018 and analytical batch 880-87037 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco

Job ID: 880-46622-1  
SDG: Loving, NM

Client Sample ID: CSB-093-4.0-20240729

Lab Sample ID: 880-46622-1

Date Collected: 07/29/24 09:20

Matrix: Solid

Date Received: 07/30/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 707    |           | 4.96 | mg/Kg |   |          | 07/30/24 17:05 | 1       |

Client Sample ID: CSB-085-4.0-20240729

Lab Sample ID: 880-46622-2

Date Collected: 07/29/24 09:30

Matrix: Solid

Date Received: 07/30/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 528    |           | 5.04 | mg/Kg |   |          | 07/30/24 17:11 | 1       |

Client Sample ID: CSB-063-3.0-20240729

Lab Sample ID: 880-46622-3

Date Collected: 07/29/24 10:40

Matrix: Solid

Date Received: 07/30/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 289    |           | 4.97 | mg/Kg |   |          | 07/30/24 17:16 | 1       |

Client Sample ID: CSB-072-3.0-20240729

Lab Sample ID: 880-46622-4

Date Collected: 07/29/24 10:50

Matrix: Solid

Date Received: 07/30/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 315    | F1        | 4.99 | mg/Kg |   |          | 07/30/24 17:21 | 1       |

Client Sample ID: CSB-082-3.0-20240729

Lab Sample ID: 880-46622-5

Date Collected: 07/29/24 11:10

Matrix: Solid

Date Received: 07/30/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 738    |           | 4.96 | mg/Kg |   |          | 07/30/24 17:37 | 1       |

Client Sample ID: CSB-091-3.0-20240729

Lab Sample ID: 880-46622-6

Date Collected: 07/29/24 11:20

Matrix: Solid

Date Received: 07/30/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 911    |           | 5.01 | mg/Kg |   |          | 07/30/24 17:42 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco

Job ID: 880-46622-1  
SDG: Loving, NM

Client Sample ID: CSB-099-3.0-20240729

Lab Sample ID: 880-46622-7

Date Collected: 07/29/24 11:30

Matrix: Solid

Date Received: 07/30/24 08:00

Sample Depth: 3.0

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride                                                 | 313    |           | 4.97 | mg/Kg |   |          | 07/30/24 17:58 | 1       |  |

Client Sample ID: CSB-062-3.0-20240729

Lab Sample ID: 880-46622-8

Date Collected: 07/29/24 13:40

Matrix: Solid

Date Received: 07/30/24 08:00

Sample Depth: 3.0

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride                                                 | 424    |           | 4.99 | mg/Kg |   |          | 07/30/24 18:03 | 1       |  |

Client Sample ID: CSB-071-3.0-20240729

Lab Sample ID: 880-46622-9

Date Collected: 07/29/24 13:50

Matrix: Solid

Date Received: 07/30/24 08:00

Sample Depth: 3.0

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride                                                 | 326    |           | 4.98 | mg/Kg |   |          | 07/30/24 18:08 | 1       |  |



## QC Sample Results

Client: AECOM  
Project/Site: Amoco

Job ID: 880-46622-1  
SDG: Loving, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87018/1-A

Matrix: Solid

Analysis Batch: 87037

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 | mg/Kg |   |          | 07/30/24 15:52 | 1       |

Lab Sample ID: LCS 880-87018/2-A

Matrix: Solid

Analysis Batch: 87037

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 256.4         |                  | mg/Kg |   | 103  | 90 - 110       |

Lab Sample ID: LCSD 880-87018/3-A

Matrix: Solid

Analysis Batch: 87037

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 256.5          |                   | mg/Kg |   | 103  | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-46622-4 MS

Matrix: Solid

Analysis Batch: 87037

Client Sample ID: CSB-072-3.0-20240729

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 315              | F1                  | 250            | 537.5        | F1              | mg/Kg |   | 89   | 90 - 110       |

Lab Sample ID: 880-46622-4 MSD

Matrix: Solid

Analysis Batch: 87037

Client Sample ID: CSB-072-3.0-20240729

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 315              | F1                  | 250            | 537.9         | F1               | mg/Kg |   | 89   | 90 - 110       | 0   | 20           |



## QC Association Summary

Client: AECOM  
Project/Site: Amoco

Job ID: 880-46622-1  
SDG: Loving, NM

## HPLC/IC

## Leach Batch: 87018

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46622-1        | CSB-093-4.0-20240729   | Soluble   | Solid  | DI Leach |            |
| 880-46622-2        | CSB-085-4.0-20240729   | Soluble   | Solid  | DI Leach |            |
| 880-46622-3        | CSB-063-3.0-20240729   | Soluble   | Solid  | DI Leach |            |
| 880-46622-4        | CSB-072-3.0-20240729   | Soluble   | Solid  | DI Leach |            |
| 880-46622-5        | CSB-082-3.0-20240729   | Soluble   | Solid  | DI Leach |            |
| 880-46622-6        | CSB-091-3.0-20240729   | Soluble   | Solid  | DI Leach |            |
| 880-46622-7        | CSB-099-3.0-20240729   | Soluble   | Solid  | DI Leach |            |
| 880-46622-8        | CSB-062-3.0-20240729   | Soluble   | Solid  | DI Leach |            |
| 880-46622-9        | CSB-071-3.0-20240729   | Soluble   | Solid  | DI Leach |            |
| MB 880-87018/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-87018/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-87018/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-46622-4 MS     | CSB-072-3.0-20240729   | Soluble   | Solid  | DI Leach |            |
| 880-46622-4 MSD    | CSB-072-3.0-20240729   | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 87037

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46622-1        | CSB-093-4.0-20240729   | Soluble   | Solid  | 300.0  | 87018      |
| 880-46622-2        | CSB-085-4.0-20240729   | Soluble   | Solid  | 300.0  | 87018      |
| 880-46622-3        | CSB-063-3.0-20240729   | Soluble   | Solid  | 300.0  | 87018      |
| 880-46622-4        | CSB-072-3.0-20240729   | Soluble   | Solid  | 300.0  | 87018      |
| 880-46622-5        | CSB-082-3.0-20240729   | Soluble   | Solid  | 300.0  | 87018      |
| 880-46622-6        | CSB-091-3.0-20240729   | Soluble   | Solid  | 300.0  | 87018      |
| 880-46622-7        | CSB-099-3.0-20240729   | Soluble   | Solid  | 300.0  | 87018      |
| 880-46622-8        | CSB-062-3.0-20240729   | Soluble   | Solid  | 300.0  | 87018      |
| 880-46622-9        | CSB-071-3.0-20240729   | Soluble   | Solid  | 300.0  | 87018      |
| MB 880-87018/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 87018      |
| LCS 880-87018/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 87018      |
| LCSD 880-87018/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 87018      |
| 880-46622-4 MS     | CSB-072-3.0-20240729   | Soluble   | Solid  | 300.0  | 87018      |
| 880-46622-4 MSD    | CSB-072-3.0-20240729   | Soluble   | Solid  | 300.0  | 87018      |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco

Job ID: 880-46622-1  
SDG: Loving, NM

Client Sample ID: CSB-093-4.0-20240729

Lab Sample ID: 880-46622-1

Date Collected: 07/29/24 09:20

Matrix: Solid

Date Received: 07/30/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 87018        | 07/30/24 10:00       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87037        | 07/30/24 17:05       | CH      | EET MID |

Client Sample ID: CSB-085-4.0-20240729

Lab Sample ID: 880-46622-2

Date Collected: 07/29/24 09:30

Matrix: Solid

Date Received: 07/30/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 87018        | 07/30/24 10:00       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87037        | 07/30/24 17:11       | CH      | EET MID |

Client Sample ID: CSB-063-3.0-20240729

Lab Sample ID: 880-46622-3

Date Collected: 07/29/24 10:40

Matrix: Solid

Date Received: 07/30/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 87018        | 07/30/24 10:00       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87037        | 07/30/24 17:16       | CH      | EET MID |

Client Sample ID: CSB-072-3.0-20240729

Lab Sample ID: 880-46622-4

Date Collected: 07/29/24 10:50

Matrix: Solid

Date Received: 07/30/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 87018        | 07/30/24 10:00       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87037        | 07/30/24 17:21       | CH      | EET MID |

Client Sample ID: CSB-082-3.0-20240729

Lab Sample ID: 880-46622-5

Date Collected: 07/29/24 11:10

Matrix: Solid

Date Received: 07/30/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 87018        | 07/30/24 10:00       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87037        | 07/30/24 17:37       | CH      | EET MID |

Client Sample ID: CSB-091-3.0-20240729

Lab Sample ID: 880-46622-6

Date Collected: 07/29/24 11:20

Matrix: Solid

Date Received: 07/30/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 87018        | 07/30/24 10:00       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87037        | 07/30/24 17:42       | CH      | EET MID |



Lab Chronicle

Client: AECOM  
Project/Site: Amoco

Job ID: 880-46622-1  
SDG: Loving, NM

Client Sample ID: CSB-099-3.0-20240729

Lab Sample ID: 880-46622-7

Date Collected: 07/29/24 11:30

Matrix: Solid

Date Received: 07/30/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 87018        | 07/30/24 10:00       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87037        | 07/30/24 17:58       | CH      | EET MID |

Client Sample ID: CSB-062-3.0-20240729

Lab Sample ID: 880-46622-8

Date Collected: 07/29/24 13:40

Matrix: Solid

Date Received: 07/30/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 87018        | 07/30/24 10:00       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87037        | 07/30/24 18:03       | CH      | EET MID |

Client Sample ID: CSB-071-3.0-20240729

Lab Sample ID: 880-46622-9

Date Collected: 07/29/24 13:50

Matrix: Solid

Date Received: 07/30/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87018        | 07/30/24 10:00       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87037        | 07/30/24 18:08       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco

Job ID: 880-46622-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

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Method Summary

Client: AECOM  
Project/Site: Amoco

Job ID: 880-46622-1  
SDG: Loving, NM

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

ASTM = ASTM International  
EPA = US Environmental Protection Agency

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: AECOM  
Project/Site: Amoco

Job ID: 880-46622-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       | Depth |
|---------------|----------------------|--------|----------------|----------------|-------|
| 880-46622-1   | CSB-093-4.0-20240729 | Solid  | 07/29/24 09:20 | 07/30/24 08:00 | 4.0   |
| 880-46622-2   | CSB-085-4.0-20240729 | Solid  | 07/29/24 09:30 | 07/30/24 08:00 | 4.0   |
| 880-46622-3   | CSB-063-3.0-20240729 | Solid  | 07/29/24 10:40 | 07/30/24 08:00 | 3.0   |
| 880-46622-4   | CSB-072-3.0-20240729 | Solid  | 07/29/24 10:50 | 07/30/24 08:00 | 3.0   |
| 880-46622-5   | CSB-082-3.0-20240729 | Solid  | 07/29/24 11:10 | 07/30/24 08:00 | 3.0   |
| 880-46622-6   | CSB-091-3.0-20240729 | Solid  | 07/29/24 11:20 | 07/30/24 08:00 | 3.0   |
| 880-46622-7   | CSB-099-3.0-20240729 | Solid  | 07/29/24 11:30 | 07/30/24 08:00 | 3.0   |
| 880-46622-8   | CSB-062-3.0-20240729 | Solid  | 07/29/24 13:40 | 07/30/24 08:00 | 3.0   |
| 880-46622-9   | CSB-071-3.0-20240729 | Solid  | 07/29/24 13:50 | 07/30/24 08:00 | 3.0   |

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## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060

## Environment Testing

## Work Order

880-46622 Chain of Custody

Page 1 of 1

|                                   |  |                             |  |
|-----------------------------------|--|-----------------------------|--|
| Project Manager: Brad Wynne       |  | Bill to: (if different)     |  |
| Company Name: AE.com              |  | Company Name:               |  |
| Address: 13355 Noel Rd. Suite 400 |  | Address:                    |  |
| City, State ZIP: Dallas, TX 75240 |  | City, State ZIP:            |  |
| Phone: 214-471-1829               |  | Email: Bradley.Wynne@AE.com |  |

|                                     |  |                                                                           |  |
|-------------------------------------|--|---------------------------------------------------------------------------|--|
| Project Name: Amoco                 |  | Turn Around                                                               |  |
| Project Number: 60734707            |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |
| Project Location: Loring, NM        |  | Due Date: 24 hr                                                           |  |
| Sampler's Name: J. Lundy, M. Culver |  | TAT starts the day received by the lab. If received by 4:30pm             |  |
| PO #: 1                             |  |                                                                           |  |

|                                    |  |                                        |  |
|------------------------------------|--|----------------------------------------|--|
| SAMPLE RECEIPT                     |  | Temp Blank: Yes (No) Wet Ice: Yes (No) |  |
| Samples Received Intact: Yes (No)  |  | Thermometer ID: TRS                    |  |
| Cooler Custody Seals: Yes (No) N/A |  | Correction Factor: -1                  |  |
| Sample Custody Seals: Yes (No) N/A |  | Temperature Reading: 0.5               |  |
| Total Containers:                  |  | Corrected Temperature:                 |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Pres. Code | ANALYSIS REQUEST | Preservative Codes                                                | Sample Comments            |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------|------------------|-------------------------------------------------------------------|----------------------------|
| CSB-093-4.0-20240729  | 5.1    | 7/29/24      | 0920         | 4.0   | C         | 1         | X          |                  | None: NO                                                          | DI Water: H <sub>2</sub> O |
| CSB-085-4.0-20240729  | 5.1    | 7/29/24      | 0930         | 4.0   | C         | 1         | X          |                  | Cool: Cool                                                        | MeOH: Me                   |
| CSB-063-3.0-20240729  | 5.1    | 7/29/24      | 1040         | 3.0   | C         | 1         | X          |                  | HCL: HC                                                           | HNO <sub>3</sub>           |
| CSB-072-3.0-20240729  | 5.1    | 7/29/24      | 1050         | 3.0   | C         | 1         | X          |                  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| CSB-073-3.0-20240729  | 5.1    | 7/29/24      | 1100         | 3.0   | C         | 1         | X          |                  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
| CSB-082-3.0-20240729  | 5.1    | 7/29/24      | 1110         | 3.0   | C         | 1         | X          |                  | NaHSO <sub>4</sub> : NABIS                                        |                            |
| CSB-091-3.0-20240729  | 5.1    | 7/29/24      | 1120         | 3.0   | C         | 1         | X          |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
| CSB-099-3.0-20240729  | 5.1    | 7/29/24      | 1130         | 3.0   | C         | 1         | X          |                  | Zn Acetate+NaOH: Zn                                               |                            |
| CSB-062-3.0-20240729  | 5.1    | 7/29/24      | 1340         | 3.0   | C         | 1         | X          |                  | NaOH+Ascorbic Acid: SAPC                                          |                            |
| CSB-071-3.0-20240729  | 5.1    | 7/29/24      | 1350         | 3.0   | C         | 1         | X          |                  |                                                                   |                            |

|                                              |               |                                                                                                       |                                                                                               |
|----------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM Texas 11                                                                                  | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed |               | TCPL / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |                                                                                               |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time                 | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|---------------------------|------------------------------|--------------------------|-----------|
| 1. J. Lundy - AE.com         |                          | 7/29/24 1630 <sup>2</sup> |                              |                          |           |
| 3.                           |                          | 4                         |                              |                          |           |
| 5.                           |                          | 6                         |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2





## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5080

## Environment Testing

## Work Order

880-46622 Chain of Custody

Page 1 of 1

|                                          |  |                                    |
|------------------------------------------|--|------------------------------------|
| Project Manager: <u>Broad Wynne</u>      |  | Bill to: (if different)            |
| Company Name: <u>AE.com</u>              |  | Company Name:                      |
| Address: <u>13355 Noel Rd. Suite 400</u> |  | Address:                           |
| City, State ZIP: <u>Dallas, TX 75240</u> |  | City, State ZIP:                   |
| Phone: <u>214-971-1829</u>               |  | Email: <u>Bradley.Wynne@AE.com</u> |

|                                            |  |                                                                           |
|--------------------------------------------|--|---------------------------------------------------------------------------|
| Project Name: <u>Amoco</u>                 |  | Turn Around                                                               |
| Project Number: <u>60734207</u>            |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |
| Project Location: <u>Loring, NM</u>        |  | Due Date: <u>24HC</u>                                                     |
| Sampler's Name: <u>J. Lundy, M. Culver</u> |  | TAT starts the day received by the lab, if received by 4:30pm             |
| PO #: <u>214-971-1829</u>                  |  |                                                                           |

| SAMPLE RECEIPT           |                                                                     | Turn Around          |                                                                     | Parameters             |            | Preservative Codes                              |                            |
|--------------------------|---------------------------------------------------------------------|----------------------|---------------------------------------------------------------------|------------------------|------------|-------------------------------------------------|----------------------------|
| Samples Received Intact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice:             | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Thermometer ID:        | <u>TRS</u> | None: NO                                        | DI Water: H <sub>2</sub> O |
| Cooler Custody Seals:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Correction Factor:   | <u>1</u>                                                            | Temperature Reading:   | <u>0.5</u> | Cool: Cool                                      | MeOH: Me                   |
| Sample Custody Seals:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Temperature Reading: | <u>0.5</u>                                                          | Corrected Temperature: | <u>0.5</u> | HCL: HC                                         | HNO <sub>3</sub>           |
| Total Containers:        | <u>1</u>                                                            |                      |                                                                     |                        |            | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na                   |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-----------------|
| CSB-093-4.0-20240729  | 5.1    | 7/29/24      | 0920         | 4.0   | C         | 1         |                 |
| CSB-085-4.0-20240729  | 5.1    | 7/29/24      | 0930         | 4.0   | C         | 1         |                 |
| CSB-063-3.0-20240729  | 5.1    | 7/29/24      | 1040         | 3.0   | C         | 1         |                 |
| CSB-072-3.0-20240729  | 5.1    | 7/29/24      | 1050         | 3.0   | C         | 1         |                 |
| CSB-073-3.0-20240729  | 5.1    | 7/29/24      | 1100         | 3.0   | C         | 1         |                 |
| CSB-082-3.0-20240729  | 5.1    | 7/29/24      | 1110         | 3.0   | C         | 1         |                 |
| CSB-091-3.0-20240729  | 5.1    | 7/29/24      | 1120         | 3.0   | C         | 1         |                 |
| CSB-099-3.0-20240729  | 5.1    | 7/29/24      | 1130         | 3.0   | C         | 1         |                 |
| CSB-062-3.0-20240729  | 5.1    | 7/29/24      | 1340         | 3.0   | C         | 1         |                 |
| CSB-071-3.0-20240729  | 5.1    | 7/29/24      | 1350         | 3.0   | C         | 1         |                 |

|                                              |               |                                                                                                       |                                                                                               |
|----------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM Texas 11                                                                                  | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed |               | TCPL / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |                                                                                               |

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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time                 | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|---------------------------|------------------------------|--------------------------|-----------|
| 1 <u>Bradley Wynne</u>       |                          | 7/29/24 1630 <sup>2</sup> |                              |                          |           |
| 3                            |                          |                           |                              |                          |           |
| 5                            |                          |                           |                              |                          |           |

Revised Date: 08/25/2020 Rev: 2020.2



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46622-1

SDG Number: Loving, NM

Login Number: 46622

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Mr. Bradley Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/1/2024 11:19:05 AM

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-46670-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/1/2024 11:19:05 AM

Authorized for release by  
Sylvia Garza, Project Manager  
[Sylvia.Garza@et.eurofinsus.com](mailto:Sylvia.Garza@et.eurofinsus.com)  
(832)544-2004



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-46670-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46670-1  
SDG: Loving, NM

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-46670-1

**Job ID: 880-46670-1**

**Eurofins Midland**

### Job Narrative 880-46670-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 7/31/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46670-1  
SDG: Loving, NM

Client Sample ID: CSB-050-3.0-20240730

Lab Sample ID: 880-46670-1

Date Collected: 07/30/24 09:00

Matrix: Solid

Date Received: 07/31/24 08:00

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 384    |           | 4.96 | mg/Kg |   |          | 07/31/24 15:46 | 1       |

Client Sample ID: CSB-051-3.0-20240730

Lab Sample ID: 880-46670-2

Date Collected: 07/30/24 09:10

Matrix: Solid

Date Received: 07/31/24 08:00

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 280    |           | 4.97 | mg/Kg |   |          | 07/31/24 16:45 | 1       |

Client Sample ID: CSB-052-3.0-20240730

Lab Sample ID: 880-46670-3

Date Collected: 07/30/24 09:20

Matrix: Solid

Date Received: 07/31/24 08:00

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 378    |           | 4.96 | mg/Kg |   |          | 07/31/24 16:53 | 1       |

Client Sample ID: CSB-060-3.0-20240730

Lab Sample ID: 880-46670-4

Date Collected: 07/30/24 09:30

Matrix: Solid

Date Received: 07/31/24 08:00

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1060   |           | 4.96 | mg/Kg |   |          | 07/31/24 17:01 | 1       |

Client Sample ID: CSB-061-3.0-20240730

Lab Sample ID: 880-46670-5

Date Collected: 07/30/24 09:40

Matrix: Solid

Date Received: 07/31/24 08:00

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 544    |           | 5.02 | mg/Kg |   |          | 07/31/24 17:09 | 1       |

Client Sample ID: CSB-070-3.0-20240730

Lab Sample ID: 880-46670-6

Date Collected: 07/30/24 09:50

Matrix: Solid

Date Received: 07/31/24 08:00

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 569    |           | 4.96 | mg/Kg |   |          | 07/31/24 17:33 | 1       |

Client Sample ID: CSB-092-4.0-20240730

Lab Sample ID: 880-46670-7

Date Collected: 07/30/24 10:00

Matrix: Solid

Date Received: 07/31/24 08:00

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 323    |           | 5.02 | mg/Kg |   |          | 07/31/24 17:41 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46670-1  
SDG: Loving, NM

Client Sample ID: CSB-100-4.0-20240730  
Date Collected: 07/30/24 10:10  
Date Received: 07/31/24 08:00

Lab Sample ID: 880-46670-8  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride                                                 | 226    |           | 4.97 | mg/Kg |   |          | 07/31/24 17:49 | 1       |  |

Client Sample ID: CSB-106-3.0-20240730  
Date Collected: 07/30/24 11:50  
Date Received: 07/31/24 08:00

Lab Sample ID: 880-46670-9  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride                                                 | 413    |           | 4.98 | mg/Kg |   |          | 08/01/24 06:02 | 1       |  |

Client Sample ID: CSB-107-3.0-20240730  
Date Collected: 07/30/24 12:00  
Date Received: 07/31/24 08:00

Lab Sample ID: 880-46670-10  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride                                                 | 534    |           | 4.99 | mg/Kg |   |          | 08/01/24 08:54 | 1       |  |



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46670-1  
SDG: Loving, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87146/1-A

Matrix: Solid

Analysis Batch: 87178

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 | mg/Kg |   |          | 07/31/24 15:22 | 1       |

Lab Sample ID: LCS 880-87146/2-A

Matrix: Solid

Analysis Batch: 87178

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 226.8         |                  | mg/Kg |   | 91   | 90 - 110       |

Lab Sample ID: LCSD 880-87146/3-A

Matrix: Solid

Analysis Batch: 87178

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 231.0          |                   | mg/Kg |   | 92   | 90 - 110       | 2   | 20           |

Lab Sample ID: 880-46670-1 MS

Matrix: Solid

Analysis Batch: 87178

Client Sample ID: CSB-050-3.0-20240730

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 384              |                     | 248            | 612.5        |                 | mg/Kg |   | 92   | 90 - 110       |

Lab Sample ID: 880-46670-1 MSD

Matrix: Solid

Analysis Batch: 87178

Client Sample ID: CSB-050-3.0-20240730

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 384              |                     | 248            | 613.5         |                  | mg/Kg |   | 92   | 90 - 110       | 0   | 20           |

Lab Sample ID: MB 880-87212/1-A

Matrix: Solid

Analysis Batch: 87233

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 | mg/Kg |   |          | 08/01/24 05:46 | 1       |

Lab Sample ID: LCS 880-87212/2-A

Matrix: Solid

Analysis Batch: 87233

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 237.4         |                  | mg/Kg |   | 95   | 90 - 110       |

Lab Sample ID: LCSD 880-87212/3-A

Matrix: Solid

Analysis Batch: 87233

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 238.7          |                   | mg/Kg |   | 95   | 90 - 110       | 1   | 20           |

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QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46670-1  
SDG: Loving, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-46670-9 MS  
Matrix: Solid  
Analysis Batch: 87233

Client Sample ID: CSB-106-3.0-20240730  
Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
| Chloride | 413           |                  | 249         | 662.8     |              | mg/Kg |   | 100  | 90 - 110    |  |  |

Lab Sample ID: 880-46670-9 MSD  
Matrix: Solid  
Analysis Batch: 87233

Client Sample ID: CSB-106-3.0-20240730  
Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 413           |                  | 249         | 665.3      |               | mg/Kg |   | 101  | 90 - 110    | 0   | 20        |



## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46670-1  
SDG: Loving, NM

## HPLC/IC

## Leach Batch: 87146

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46670-1        | CSB-050-3.0-20240730   | Soluble   | Solid  | DI Leach |            |
| 880-46670-2        | CSB-051-3.0-20240730   | Soluble   | Solid  | DI Leach |            |
| 880-46670-3        | CSB-052-3.0-20240730   | Soluble   | Solid  | DI Leach |            |
| 880-46670-4        | CSB-060-3.0-20240730   | Soluble   | Solid  | DI Leach |            |
| 880-46670-5        | CSB-061-3.0-20240730   | Soluble   | Solid  | DI Leach |            |
| 880-46670-6        | CSB-070-3.0-20240730   | Soluble   | Solid  | DI Leach |            |
| 880-46670-7        | CSB-092-4.0-20240730   | Soluble   | Solid  | DI Leach |            |
| 880-46670-8        | CSB-100-4.0-20240730   | Soluble   | Solid  | DI Leach |            |
| MB 880-87146/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-87146/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-87146/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-46670-1 MS     | CSB-050-3.0-20240730   | Soluble   | Solid  | DI Leach |            |
| 880-46670-1 MSD    | CSB-050-3.0-20240730   | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 87178

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46670-1        | CSB-050-3.0-20240730   | Soluble   | Solid  | 300.0  | 87146      |
| 880-46670-2        | CSB-051-3.0-20240730   | Soluble   | Solid  | 300.0  | 87146      |
| 880-46670-3        | CSB-052-3.0-20240730   | Soluble   | Solid  | 300.0  | 87146      |
| 880-46670-4        | CSB-060-3.0-20240730   | Soluble   | Solid  | 300.0  | 87146      |
| 880-46670-5        | CSB-061-3.0-20240730   | Soluble   | Solid  | 300.0  | 87146      |
| 880-46670-6        | CSB-070-3.0-20240730   | Soluble   | Solid  | 300.0  | 87146      |
| 880-46670-7        | CSB-092-4.0-20240730   | Soluble   | Solid  | 300.0  | 87146      |
| 880-46670-8        | CSB-100-4.0-20240730   | Soluble   | Solid  | 300.0  | 87146      |
| MB 880-87146/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 87146      |
| LCS 880-87146/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 87146      |
| LCSD 880-87146/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 87146      |
| 880-46670-1 MS     | CSB-050-3.0-20240730   | Soluble   | Solid  | 300.0  | 87146      |
| 880-46670-1 MSD    | CSB-050-3.0-20240730   | Soluble   | Solid  | 300.0  | 87146      |

## Leach Batch: 87212

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46670-9        | CSB-106-3.0-20240730   | Soluble   | Solid  | DI Leach |            |
| 880-46670-10       | CSB-107-3.0-20240730   | Soluble   | Solid  | DI Leach |            |
| MB 880-87212/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-87212/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-87212/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-46670-9 MS     | CSB-106-3.0-20240730   | Soluble   | Solid  | DI Leach |            |
| 880-46670-9 MSD    | CSB-106-3.0-20240730   | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 87233

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46670-9        | CSB-106-3.0-20240730   | Soluble   | Solid  | 300.0  | 87212      |
| 880-46670-10       | CSB-107-3.0-20240730   | Soluble   | Solid  | 300.0  | 87212      |
| MB 880-87212/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 87212      |
| LCS 880-87212/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 87212      |
| LCSD 880-87212/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 87212      |
| 880-46670-9 MS     | CSB-106-3.0-20240730   | Soluble   | Solid  | 300.0  | 87212      |
| 880-46670-9 MSD    | CSB-106-3.0-20240730   | Soluble   | Solid  | 300.0  | 87212      |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46670-1  
SDG: Loving, NM

**Client Sample ID: CSB-050-3.0-20240730****Lab Sample ID: 880-46670-1****Date Collected: 07/30/24 09:00****Matrix: Solid****Date Received: 07/31/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 87146        | 07/31/24 11:47       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87178        | 07/31/24 15:46       | SMC     | EET MID |

**Client Sample ID: CSB-051-3.0-20240730****Lab Sample ID: 880-46670-2****Date Collected: 07/30/24 09:10****Matrix: Solid****Date Received: 07/31/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 87146        | 07/31/24 11:47       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87178        | 07/31/24 16:45       | SMC     | EET MID |

**Client Sample ID: CSB-052-3.0-20240730****Lab Sample ID: 880-46670-3****Date Collected: 07/30/24 09:20****Matrix: Solid****Date Received: 07/31/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 87146        | 07/31/24 11:47       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87178        | 07/31/24 16:53       | SMC     | EET MID |

**Client Sample ID: CSB-060-3.0-20240730****Lab Sample ID: 880-46670-4****Date Collected: 07/30/24 09:30****Matrix: Solid****Date Received: 07/31/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 87146        | 07/31/24 11:47       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87178        | 07/31/24 17:01       | SMC     | EET MID |

**Client Sample ID: CSB-061-3.0-20240730****Lab Sample ID: 880-46670-5****Date Collected: 07/30/24 09:40****Matrix: Solid****Date Received: 07/31/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87146        | 07/31/24 11:47       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87178        | 07/31/24 17:09       | SMC     | EET MID |

**Client Sample ID: CSB-070-3.0-20240730****Lab Sample ID: 880-46670-6****Date Collected: 07/30/24 09:50****Matrix: Solid****Date Received: 07/31/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 87146        | 07/31/24 11:47       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87178        | 07/31/24 17:33       | SMC     | EET MID |

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Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46670-1  
SDG: Loving, NM

Client Sample ID: CSB-092-4.0-20240730  
Date Collected: 07/30/24 10:00  
Date Received: 07/31/24 08:00

Lab Sample ID: 880-46670-7  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87146        | 07/31/24 11:47       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87178        | 07/31/24 17:41       | SMC     | EET MID |

Client Sample ID: CSB-100-4.0-20240730  
Date Collected: 07/30/24 10:10  
Date Received: 07/31/24 08:00

Lab Sample ID: 880-46670-8  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 87146        | 07/31/24 11:47       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87178        | 07/31/24 17:49       | SMC     | EET MID |

Client Sample ID: CSB-106-3.0-20240730  
Date Collected: 07/30/24 11:50  
Date Received: 07/31/24 08:00

Lab Sample ID: 880-46670-9  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87212        | 07/31/24 16:11       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87233        | 08/01/24 06:02       | SMC     | EET MID |

Client Sample ID: CSB-107-3.0-20240730  
Date Collected: 07/30/24 12:00  
Date Received: 07/31/24 08:00

Lab Sample ID: 880-46670-10  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 87212        | 07/31/24 16:11       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87233        | 08/01/24 08:54       | SMC     | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46670-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

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Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46670-1  
SDG: Loving, NM

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

ASTM = ASTM International  
EPA = US Environmental Protection Agency

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46670-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       |
|---------------|----------------------|--------|----------------|----------------|
| 880-46670-1   | CSB-050-3.0-20240730 | Solid  | 07/30/24 09:00 | 07/31/24 08:00 |
| 880-46670-2   | CSB-051-3.0-20240730 | Solid  | 07/30/24 09:10 | 07/31/24 08:00 |
| 880-46670-3   | CSB-052-3.0-20240730 | Solid  | 07/30/24 09:20 | 07/31/24 08:00 |
| 880-46670-4   | CSB-060-3.0-20240730 | Solid  | 07/30/24 09:30 | 07/31/24 08:00 |
| 880-46670-5   | CSB-061-3.0-20240730 | Solid  | 07/30/24 09:40 | 07/31/24 08:00 |
| 880-46670-6   | CSB-070-3.0-20240730 | Solid  | 07/30/24 09:50 | 07/31/24 08:00 |
| 880-46670-7   | CSB-092-4.0-20240730 | Solid  | 07/30/24 10:00 | 07/31/24 08:00 |
| 880-46670-8   | CSB-100-4.0-20240730 | Solid  | 07/30/24 10:10 | 07/31/24 08:00 |
| 880-46670-9   | CSB-106-3.0-20240730 | Solid  | 07/30/24 11:50 | 07/31/24 08:00 |
| 880-46670-10  | CSB-107-3.0-20240730 | Solid  | 07/30/24 12:00 | 07/31/24 08:00 |







Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 802-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5090

Wor



880-46670 Chain of Custody

Page of

|                  |                          |                         |                         |
|------------------|--------------------------|-------------------------|-------------------------|
| Project Manager: | Bradley Wynne            | Bill to: (if different) |                         |
| Company Name:    | AECOM                    | Company Name:           |                         |
| Address:         | 13355 Noel Rd. Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas, TX 75240         | City, State ZIP:        |                         |
| Phone:           | 214-971-1829             | Email:                  | Bradley.Wynne@AECOM.com |

|                     |                                                                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work Order Comments |                                                                                                                                                              |
| Program: UST/PT     | <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>   |
| State of Project:   | NM                                                                                                                                                           |
| Reporting: Level II | <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Deliverables: EDD   | <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                    |

|                          |                                        |                                                                           |        |
|--------------------------|----------------------------------------|---------------------------------------------------------------------------|--------|
| Project Name:            | Amoco CTB                              | Turn Around                                                               |        |
| Project Number:          | 60734207                               | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |        |
| Project Location:        | Loving, NM                             | Due Date:                                                                 | 24 hrs |
| Sampler's Name:          |                                        | TAT starts the day received by the lab, if received by 4:30pm             |        |
| PO #:                    |                                        |                                                                           |        |
| SAMPLE RECEIPT           | Jamp Blank: Yes (No) Wet Ice: Yes (No) | Parameters                                                                |        |
| Samples Received Intact: | Yes (No) Thermometer ID: 118           |                                                                           |        |
| Cooler Custody Seals:    | Yes (No) Correction Factor: -1         |                                                                           |        |
| Sample Custody Seals:    | Yes (No) Temperature Reading: 0.16     |                                                                           |        |
| Total Containers:        | Corrected Temperature: 0.5             |                                                                           |        |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grb/ Comp | # of Cont | ANALYSIS REQUEST | Preservative Codes                                                |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------------|-------------------------------------------------------------------|
| CSB-050-3.0-20240730  | Soil   | 7/30/24      | 0900         | 3.0   | C         | 1         |                  | None: NO DI Water: H <sub>2</sub> O                               |
| CSB-051-3.0-20240730  | Soil   | 7/30/24      | 0910         | 3.0   | C         | 1         |                  | Cool: Cool MeOH: Me                                               |
| CSB-052-3.0-20240730  | Soil   | 7/30/24      | 0920         | 3.0   | C         | 1         |                  | HCL: HC HNO <sub>3</sub>                                          |
| CSB-060-3.0-20240730  | Soil   | 7/30/24      | 0930         | 3.0   | C         | 1         |                  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na          |
| CSB-061-3.0-20240730  | Soil   | 7/30/24      | 0940         | 3.0   | C         | 1         |                  | H <sub>3</sub> PO <sub>4</sub> : HP                               |
| CSB-070-3.0-20240730  | Soil   | 7/30/24      | 0950         | 3.0   | C         | 1         |                  | NaHSO <sub>4</sub> : NABIS                                        |
| CSB-092-4.0-20240730  | Soil   | 7/30/24      | 1000         | 4.0   | C         | 1         |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |
| CSB-100-4.0-20240730  | Soil   | 7/30/24      | 1010         | 4.0   | C         | 1         |                  | Zn Acetate+NaOH: Zn                                               |
| CSB-106-3.0-20240730  | Soil   | 7/30/24      | 1150         | 3.0   | C         | 1         |                  | NaOH+Ascorbic Acid: SAPC                                          |
| CSB-107-3.0-20240730  | Soil   | 7/30/24      | 1200         | 3.0   | C         | 1         |                  |                                                                   |

|                                              |                                                                        |                                |                                                                                               |
|----------------------------------------------|------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020:                                                          | 8RCRA 13PPM Texas 11           | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245.1 / 7470 / 7471 |                                                                                               |

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xanco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xanco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xanco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xanco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |              |                              |                          |           |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| 1. [Signature] - AECOM       | [Signature]              | 7/31/24 8:00 | 7/30/24 16:30                |                          |           |
| 3. [Signature]               |                          |              |                              |                          |           |
| 5. [Signature]               |                          |              |                              |                          |           |



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46670-1

SDG Number: Loving, NM

Login Number: 46670

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/2/2024 12:08:49 PM

## JOB DESCRIPTION

Amoco Site  
Loving NM

## JOB NUMBER

880-46749-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/2/2024 12:08:49 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco Site

Laboratory Job ID: 880-46749-1  
SDG: Loving NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-1  
SDG: Loving NM

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco Site

Job ID: 880-46749-1

**Job ID: 880-46749-1**

**Eurofins Midland**

### Job Narrative 880-46749-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/1/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland



## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-1  
SDG: Loving NM

Client Sample ID: CSB-048-3.0-20240731

Lab Sample ID: 880-46749-1

Date Collected: 07/31/24 09:20

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 725    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/01/24 13:08 | 1       |

Client Sample ID: CSB-049-3.0-20240731

Lab Sample ID: 880-46749-2

Date Collected: 07/31/24 09:30

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 998    |           | 4.99 | 0.394 | mg/Kg |   |          | 08/01/24 13:24 | 1       |

Client Sample ID: CSB-058-3.0-20240731

Lab Sample ID: 880-46749-3

Date Collected: 07/31/24 09:40

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 775    |           | 5.02 | 0.397 | mg/Kg |   |          | 08/01/24 13:29 | 1       |

Client Sample ID: CSB-059-3.0-20240731

Lab Sample ID: 880-46749-4

Date Collected: 07/31/24 09:50

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1010   |           | 4.97 | 0.393 | mg/Kg |   |          | 08/01/24 13:34 | 1       |

Client Sample ID: CSB-058-DUP-3.0-20240731

Lab Sample ID: 880-46749-5

Date Collected: 07/31/24 00:00

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 990    |           | 5.02 | 0.397 | mg/Kg |   |          | 08/01/24 13:40 | 1       |

Client Sample ID: CSW-06-0-2-20240731

Lab Sample ID: 880-46749-6

Date Collected: 07/31/24 14:05

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 634    |           | 5.05 | 0.399 | mg/Kg |   |          | 08/01/24 13:55 | 1       |

Client Sample ID: CSW-07-0-2-20240731

Lab Sample ID: 880-46749-7

Date Collected: 07/31/24 13:55

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 789    |           | 24.9 | 1.97 | mg/Kg |   |          | 08/01/24 14:01 | 5       |

Eurofins Midland



## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-1  
SDG: Loving NM

Client Sample ID: CSW-05-0-2-20240731

Lab Sample ID: 880-46749-8

Date Collected: 07/31/24 14:15

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 731    |           | 5.04 | 0.398 | mg/Kg |   |          | 08/01/24 14:06 | 1       |

Client Sample ID: CSB-110-3.0-20240731

Lab Sample ID: 880-46749-9

Date Collected: 07/31/24 14:25

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 598    |           | 5.03 | 0.397 | mg/Kg |   |          | 08/01/24 14:11 | 1       |

Client Sample ID: CSB-091-4.0-20240731

Lab Sample ID: 880-46749-10

Date Collected: 07/31/24 14:45

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 121    |           | 4.97 | 0.393 | mg/Kg |   |          | 08/01/24 14:17 | 1       |

Client Sample ID: CSB-086-3.0-20240731

Lab Sample ID: 880-46749-11

Date Collected: 07/31/24 11:00

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 984    |           | 4.96 | 0.392 | mg/Kg |   |          | 08/01/24 14:22 | 1       |

Client Sample ID: CSB-095-3.0-20240731

Lab Sample ID: 880-46749-12

Date Collected: 07/31/24 11:20

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 896    |           | 5.02 | 0.397 | mg/Kg |   |          | 08/01/24 14:37 | 1       |

Client Sample ID: CSB-082-4.0-20240731

Lab Sample ID: 880-46749-13

Date Collected: 07/31/24 14:35

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 223    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/01/24 14:43 | 1       |

Client Sample ID: CSB-093-5.0-20240731

Lab Sample ID: 880-46749-14

Date Collected: 07/31/24 14:55

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 382    |           | 4.99 | 0.394 | mg/Kg |   |          | 08/01/24 14:58 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-1  
SDG: Loving NM

Client Sample ID: CSB-068-3.0-20240731

Lab Sample ID: 880-46749-15

Date Collected: 07/31/24 15:30

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 964    |           | 25.1 | 1.98 | mg/Kg |   |          | 08/01/24 15:04 | 5       |

Client Sample ID: CSB-069-3.0-20240731

Lab Sample ID: 880-46749-16

Date Collected: 07/31/24 15:40

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 915    |           | 25.1 | 1.98 | mg/Kg |   |          | 08/01/24 15:09 | 5       |

Client Sample ID: CSB-077-3.0-20240731

Lab Sample ID: 880-46749-17

Date Collected: 07/31/24 15:50

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1150   |           | 25.1 | 1.98 | mg/Kg |   |          | 08/01/24 15:14 | 5       |

Client Sample ID: CSW-02-03-20240731

Lab Sample ID: 880-46749-18

Date Collected: 07/31/24 16:30

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 997    |           | 5.01 | 0.396 | mg/Kg |   |          | 08/01/24 15:19 | 1       |

Client Sample ID: CSB-087-3.0-20240731

Lab Sample ID: 880-46749-19

Date Collected: 07/31/24 16:20

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1010   |           | 5.04 | 0.398 | mg/Kg |   |          | 08/01/24 15:25 | 1       |

Client Sample ID: CSW-03-0-3-20240731

Lab Sample ID: 880-46749-20

Date Collected: 07/31/24 16:40

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 194    |           | 5.02 | 0.397 | mg/Kg |   |          | 08/01/24 15:30 | 1       |

Client Sample ID: CSW-04-0-3-20240731

Lab Sample ID: 880-46749-21

Date Collected: 07/31/24 16:50

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 698    |           | 5.04 | 0.398 | mg/Kg |   |          | 08/02/24 10:59 | 1       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-1  
SDG: Loving NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87237/1-A

Matrix: Solid

Analysis Batch: 87240

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/01/24 12:26 | 1       |

Lab Sample ID: LCS 880-87237/2-A

Matrix: Solid

Analysis Batch: 87240

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 242.1         |                  | mg/Kg |   | 97   | 90 - 110       |

Lab Sample ID: LCSD 880-87237/3-A

Matrix: Solid

Analysis Batch: 87240

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 242.9          |                   | mg/Kg |   | 97   | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-46749-1 MS

Matrix: Solid

Analysis Batch: 87240

Client Sample ID: CSB-048-3.0-20240731

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 725              |                     | 249            | 976.1        |                 | mg/Kg |   | 101  | 90 - 110       |

Lab Sample ID: 880-46749-1 MSD

Matrix: Solid

Analysis Batch: 87240

Client Sample ID: CSB-048-3.0-20240731

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 725              |                     | 249            | 981.9         |                  | mg/Kg |   | 103  | 90 - 110       | 1   | 20           |

Lab Sample ID: 880-46749-11 MS

Matrix: Solid

Analysis Batch: 87240

Client Sample ID: CSB-086-3.0-20240731

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 984              |                     | 248            | 1238         |                 | mg/Kg |   | 102  | 90 - 110       |

Lab Sample ID: 880-46749-11 MSD

Matrix: Solid

Analysis Batch: 87240

Client Sample ID: CSB-086-3.0-20240731

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 984              |                     | 248            | 1232          |                  | mg/Kg |   | 100  | 90 - 110       | 0   | 20           |

Lab Sample ID: MB 880-87338/1-A

Matrix: Solid

Analysis Batch: 87346

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/02/24 10:26 | 1       |

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QC Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-1  
SDG: Loving NM

Method: 300.0 - Anions, Ion Chromatography

|                                  |  |  |             |            |               |                                      |   |      |             |  |  |
|----------------------------------|--|--|-------------|------------|---------------|--------------------------------------|---|------|-------------|--|--|
| Lab Sample ID: LCS 880-87338/2-A |  |  |             |            |               | Client Sample ID: Lab Control Sample |   |      |             |  |  |
| Matrix: Solid                    |  |  |             |            |               | Prep Type: Soluble                   |   |      |             |  |  |
| Analysis Batch: 87346            |  |  |             |            |               |                                      |   |      |             |  |  |
| Analyte                          |  |  | Spike Added | LCS Result | LCS Qualifier | Unit                                 | D | %Rec | %Rec Limits |  |  |
| Chloride                         |  |  | 250         | 236.7      |               | mg/Kg                                |   | 95   | 90 - 110    |  |  |

|                                   |  |  |             |             |                |                                          |   |      |             |     |           |
|-----------------------------------|--|--|-------------|-------------|----------------|------------------------------------------|---|------|-------------|-----|-----------|
| Lab Sample ID: LCSD 880-87338/3-A |  |  |             |             |                | Client Sample ID: Lab Control Sample Dup |   |      |             |     |           |
| Matrix: Solid                     |  |  |             |             |                | Prep Type: Soluble                       |   |      |             |     |           |
| Analysis Batch: 87346             |  |  |             |             |                |                                          |   |      |             |     |           |
| Analyte                           |  |  | Spike Added | LCSD Result | LCSD Qualifier | Unit                                     | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Chloride                          |  |  | 250         | 235.3       |                | mg/Kg                                    |   | 94   | 90 - 110    | 1   | 20        |

|                                |               |                  |             |           |              |                                       |   |      |             |  |  |
|--------------------------------|---------------|------------------|-------------|-----------|--------------|---------------------------------------|---|------|-------------|--|--|
| Lab Sample ID: 880-46749-21 MS |               |                  |             |           |              | Client Sample ID: CSW-04-0-3-20240731 |   |      |             |  |  |
| Matrix: Solid                  |               |                  |             |           |              | Prep Type: Soluble                    |   |      |             |  |  |
| Analysis Batch: 87346          |               |                  |             |           |              |                                       |   |      |             |  |  |
| Analyte                        | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit                                  | D | %Rec | %Rec Limits |  |  |
| Chloride                       | 698           |                  | 252         | 947.1     |              | mg/Kg                                 |   | 99   | 90 - 110    |  |  |

|                                 |               |                  |             |            |               |                                       |   |      |             |     |           |
|---------------------------------|---------------|------------------|-------------|------------|---------------|---------------------------------------|---|------|-------------|-----|-----------|
| Lab Sample ID: 880-46749-21 MSD |               |                  |             |            |               | Client Sample ID: CSW-04-0-3-20240731 |   |      |             |     |           |
| Matrix: Solid                   |               |                  |             |            |               | Prep Type: Soluble                    |   |      |             |     |           |
| Analysis Batch: 87346           |               |                  |             |            |               |                                       |   |      |             |     |           |
| Analyte                         | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit                                  | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Chloride                        | 698           |                  | 252         | 951.9      |               | mg/Kg                                 |   | 101  | 90 - 110    | 1   | 20        |



## QC Association Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-1  
SDG: Loving NM

## HPLC/IC

## Leach Batch: 87237

| Lab Sample ID      | Client Sample ID         | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|--------------------------|-----------|--------|----------|------------|
| 880-46749-1        | CSB-048-3.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-2        | CSB-049-3.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-3        | CSB-058-3.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-4        | CSB-059-3.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-5        | CSB-058-DUP-3.0-20240731 | Soluble   | Solid  | DI Leach |            |
| 880-46749-6        | CSW-06-0-2-20240731      | Soluble   | Solid  | DI Leach |            |
| 880-46749-7        | CSW-07-0-2-20240731      | Soluble   | Solid  | DI Leach |            |
| 880-46749-8        | CSW-05-0-2-20240731      | Soluble   | Solid  | DI Leach |            |
| 880-46749-9        | CSB-110-3.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-10       | CSB-091-4.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-11       | CSB-086-3.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-12       | CSB-095-3.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-13       | CSB-082-4.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-14       | CSB-093-5.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-15       | CSB-068-3.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-16       | CSB-069-3.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-17       | CSB-077-3.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-18       | CSW-02-03-20240731       | Soluble   | Solid  | DI Leach |            |
| 880-46749-19       | CSB-087-3.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-20       | CSW-03-0-3-20240731      | Soluble   | Solid  | DI Leach |            |
| MB 880-87237/1-A   | Method Blank             | Soluble   | Solid  | DI Leach |            |
| LCS 880-87237/2-A  | Lab Control Sample       | Soluble   | Solid  | DI Leach |            |
| LCSD 880-87237/3-A | Lab Control Sample Dup   | Soluble   | Solid  | DI Leach |            |
| 880-46749-1 MS     | CSB-048-3.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-1 MSD    | CSB-048-3.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-11 MS    | CSB-086-3.0-20240731     | Soluble   | Solid  | DI Leach |            |
| 880-46749-11 MSD   | CSB-086-3.0-20240731     | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 87240

| Lab Sample ID    | Client Sample ID         | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------------|-----------|--------|--------|------------|
| 880-46749-1      | CSB-048-3.0-20240731     | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-2      | CSB-049-3.0-20240731     | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-3      | CSB-058-3.0-20240731     | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-4      | CSB-059-3.0-20240731     | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-5      | CSB-058-DUP-3.0-20240731 | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-6      | CSW-06-0-2-20240731      | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-7      | CSW-07-0-2-20240731      | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-8      | CSW-05-0-2-20240731      | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-9      | CSB-110-3.0-20240731     | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-10     | CSB-091-4.0-20240731     | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-11     | CSB-086-3.0-20240731     | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-12     | CSB-095-3.0-20240731     | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-13     | CSB-082-4.0-20240731     | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-14     | CSB-093-5.0-20240731     | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-15     | CSB-068-3.0-20240731     | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-16     | CSB-069-3.0-20240731     | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-17     | CSB-077-3.0-20240731     | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-18     | CSW-02-03-20240731       | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-19     | CSB-087-3.0-20240731     | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-20     | CSW-03-0-3-20240731      | Soluble   | Solid  | 300.0  | 87237      |
| MB 880-87237/1-A | Method Blank             | Soluble   | Solid  | 300.0  | 87237      |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-1  
SDG: Loving NM

## HPLC/IC (Continued)

## Analysis Batch: 87240 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| LCS 880-87237/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 87237      |
| LCSD 880-87237/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-1 MS     | CSB-048-3.0-20240731   | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-1 MSD    | CSB-048-3.0-20240731   | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-11 MS    | CSB-086-3.0-20240731   | Soluble   | Solid  | 300.0  | 87237      |
| 880-46749-11 MSD   | CSB-086-3.0-20240731   | Soluble   | Solid  | 300.0  | 87237      |

## Leach Batch: 87338

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46749-21       | CSW-04-0-3-20240731    | Soluble   | Solid  | DI Leach |            |
| MB 880-87338/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-87338/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-87338/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-46749-21 MS    | CSW-04-0-3-20240731    | Soluble   | Solid  | DI Leach |            |
| 880-46749-21 MSD   | CSW-04-0-3-20240731    | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 87346

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46749-21       | CSW-04-0-3-20240731    | Soluble   | Solid  | 300.0  | 87338      |
| MB 880-87338/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 87338      |
| LCS 880-87338/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 87338      |
| LCSD 880-87338/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 87338      |
| 880-46749-21 MS    | CSW-04-0-3-20240731    | Soluble   | Solid  | 300.0  | 87338      |
| 880-46749-21 MSD   | CSW-04-0-3-20240731    | Soluble   | Solid  | 300.0  | 87338      |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-1  
SDG: Loving NM

Client Sample ID: CSB-048-3.0-20240731

Lab Sample ID: 880-46749-1

Date Collected: 07/31/24 09:20

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87240        | 08/01/24 13:08       | SMC     | EET MID |

Client Sample ID: CSB-049-3.0-20240731

Lab Sample ID: 880-46749-2

Date Collected: 07/31/24 09:30

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87240        | 08/01/24 13:24       | SMC     | EET MID |

Client Sample ID: CSB-058-3.0-20240731

Lab Sample ID: 880-46749-3

Date Collected: 07/31/24 09:40

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87240        | 08/01/24 13:29       | SMC     | EET MID |

Client Sample ID: CSB-059-3.0-20240731

Lab Sample ID: 880-46749-4

Date Collected: 07/31/24 09:50

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87240        | 08/01/24 13:34       | SMC     | EET MID |

Client Sample ID: CSB-058-DUP-3.0-20240731

Lab Sample ID: 880-46749-5

Date Collected: 07/31/24 00:00

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87240        | 08/01/24 13:40       | SMC     | EET MID |

Client Sample ID: CSW-06-0-2-20240731

Lab Sample ID: 880-46749-6

Date Collected: 07/31/24 14:05

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87240        | 08/01/24 13:55       | SMC     | EET MID |

Eurofins Midland



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-1  
SDG: Loving NM

Client Sample ID: CSW-07-0-2-20240731

Lab Sample ID: 880-46749-7

Date Collected: 07/31/24 13:55

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87240        | 08/01/24 14:01       | SMC     | EET MID |

Client Sample ID: CSW-05-0-2-20240731

Lab Sample ID: 880-46749-8

Date Collected: 07/31/24 14:15

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87240        | 08/01/24 14:06       | SMC     | EET MID |

Client Sample ID: CSB-110-3.0-20240731

Lab Sample ID: 880-46749-9

Date Collected: 07/31/24 14:25

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87240        | 08/01/24 14:11       | SMC     | EET MID |

Client Sample ID: CSB-091-4.0-20240731

Lab Sample ID: 880-46749-10

Date Collected: 07/31/24 14:45

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87240        | 08/01/24 14:17       | SMC     | EET MID |

Client Sample ID: CSB-086-3.0-20240731

Lab Sample ID: 880-46749-11

Date Collected: 07/31/24 11:00

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87240        | 08/01/24 14:22       | SMC     | EET MID |

Client Sample ID: CSB-095-3.0-20240731

Lab Sample ID: 880-46749-12

Date Collected: 07/31/24 11:20

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87240        | 08/01/24 14:37       | SMC     | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-1  
SDG: Loving NM

Client Sample ID: CSB-082-4.0-20240731  
Date Collected: 07/31/24 14:35  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-13  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87240        | 08/01/24 14:43       | SMC     | EET MID |

Client Sample ID: CSB-093-5.0-20240731  
Date Collected: 07/31/24 14:55  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-14  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87240        | 08/01/24 14:58       | SMC     | EET MID |

Client Sample ID: CSB-068-3.0-20240731  
Date Collected: 07/31/24 15:30  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-15  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87240        | 08/01/24 15:04       | SMC     | EET MID |

Client Sample ID: CSB-069-3.0-20240731  
Date Collected: 07/31/24 15:40  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-16  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87240        | 08/01/24 15:09       | SMC     | EET MID |

Client Sample ID: CSB-077-3.0-20240731  
Date Collected: 07/31/24 15:50  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-17  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87240        | 08/01/24 15:14       | SMC     | EET MID |

Client Sample ID: CSW-02-03-20240731  
Date Collected: 07/31/24 16:30  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-18  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87240        | 08/01/24 15:19       | SMC     | EET MID |



Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-1  
SDG: Loving NM

Client Sample ID: CSB-087-3.0-20240731  
Date Collected: 07/31/24 16:20  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-19  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87240        | 08/01/24 15:25       | SMC     | EET MID |

Client Sample ID: CSW-03-0-3-20240731  
Date Collected: 07/31/24 16:40  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-20  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87237        | 08/01/24 08:46       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87240        | 08/01/24 15:30       | SMC     | EET MID |

Client Sample ID: CSW-04-0-3-20240731  
Date Collected: 07/31/24 16:50  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-21  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 87338        | 08/02/24 07:51       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87346        | 08/02/24 10:59       | SMC     | EET MID |

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-1  
SDG: Loving NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

- 1
- 2
- 3
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- 5
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- 11
- 12
- 13



Method Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-1  
SDG: Loving NM

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

ASTM = ASTM International  
EPA = US Environmental Protection Agency

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

|    |
|----|
| 1  |
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| 12 |
| 13 |



## Sample Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-1  
SDG: Loving NM

| Lab Sample ID | Client Sample ID         | Matrix | Collected      | Received       |
|---------------|--------------------------|--------|----------------|----------------|
| 880-46749-1   | CSB-048-3.0-20240731     | Solid  | 07/31/24 09:20 | 08/01/24 08:00 |
| 880-46749-2   | CSB-049-3.0-20240731     | Solid  | 07/31/24 09:30 | 08/01/24 08:00 |
| 880-46749-3   | CSB-058-3.0-20240731     | Solid  | 07/31/24 09:40 | 08/01/24 08:00 |
| 880-46749-4   | CSB-059-3.0-20240731     | Solid  | 07/31/24 09:50 | 08/01/24 08:00 |
| 880-46749-5   | CSB-058-DUP-3.0-20240731 | Solid  | 07/31/24 00:00 | 08/01/24 08:00 |
| 880-46749-6   | CSW-06-0-2-20240731      | Solid  | 07/31/24 14:05 | 08/01/24 08:00 |
| 880-46749-7   | CSW-07-0-2-20240731      | Solid  | 07/31/24 13:55 | 08/01/24 08:00 |
| 880-46749-8   | CSW-05-0-2-20240731      | Solid  | 07/31/24 14:15 | 08/01/24 08:00 |
| 880-46749-9   | CSB-110-3.0-20240731     | Solid  | 07/31/24 14:25 | 08/01/24 08:00 |
| 880-46749-10  | CSB-091-4.0-20240731     | Solid  | 07/31/24 14:45 | 08/01/24 08:00 |
| 880-46749-11  | CSB-086-3.0-20240731     | Solid  | 07/31/24 11:00 | 08/01/24 08:00 |
| 880-46749-12  | CSB-095-3.0-20240731     | Solid  | 07/31/24 11:20 | 08/01/24 08:00 |
| 880-46749-13  | CSB-082-4.0-20240731     | Solid  | 07/31/24 14:35 | 08/01/24 08:00 |
| 880-46749-14  | CSB-093-5.0-20240731     | Solid  | 07/31/24 14:55 | 08/01/24 08:00 |
| 880-46749-15  | CSB-068-3.0-20240731     | Solid  | 07/31/24 15:30 | 08/01/24 08:00 |
| 880-46749-16  | CSB-069-3.0-20240731     | Solid  | 07/31/24 15:40 | 08/01/24 08:00 |
| 880-46749-17  | CSB-077-3.0-20240731     | Solid  | 07/31/24 15:50 | 08/01/24 08:00 |
| 880-46749-18  | CSW-02-03-20240731       | Solid  | 07/31/24 16:30 | 08/01/24 08:00 |
| 880-46749-19  | CSB-087-3.0-20240731     | Solid  | 07/31/24 16:20 | 08/01/24 08:00 |
| 880-46749-20  | CSW-03-0-3-20240731      | Solid  | 07/31/24 16:40 | 08/01/24 08:00 |
| 880-46749-21  | CSW-04-0-3-20240731      | Solid  | 07/31/24 16:50 | 08/01/24 08:00 |





Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3189  
Little Rock, AR (501) 224-5080

Work Order nu. \_\_\_\_\_



Page 14 of 3

|                  |                          |                         |                         |
|------------------|--------------------------|-------------------------|-------------------------|
| Project Manager: | Brad Wynne               | Bill to: (if different) |                         |
| Company Name:    | AECOM                    | Company Name:           |                         |
| Address:         | 13355 Noel Rd. Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas, TX 75240         | City, State ZIP:        |                         |
| Phone:           | 214-971-1829             | Email:                  | Bradley.Wynne@AECOM.com |

|                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                              |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project: NM                                                                                                                                                             |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

|                          |                                                                     |                                                                           |          |                                                                     |  |
|--------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------|----------|---------------------------------------------------------------------|--|
| Project Name:            | Amox CTB                                                            | Turn Around                                                               |          | Pres. Code                                                          |  |
| Project Number:          | 60734207                                                            | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |          |                                                                     |  |
| Project Location:        | Lovins, NM                                                          | Due Date:                                                                 | 24 hr    |                                                                     |  |
| Sampler's Name:          | Tracy,                                                              | TAT starts the day received by the lab, if received by 4:30pm             |          |                                                                     |  |
| PO #:                    |                                                                     |                                                                           |          |                                                                     |  |
| SAMPLE RECEIPT           | Temp Blank:                                                         | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       | Wet Ice: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  |
| Samples Received Intact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID:                                                           |          |                                                                     |  |
| Cooler Custody Seals:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Correction Factor:                                                        |          |                                                                     |  |
| Sample Custody Seals:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Temperature Reading:                                                      | 3.6      |                                                                     |  |
| Total Containers:        |                                                                     | Corrected Temperature:                                                    | 3.9      |                                                                     |  |

| Sample Identification    | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | ANALYSIS REQUEST |   |   |   |   |   |   |   |   |   | Preservative Codes |  | Sample Comments |
|--------------------------|--------|--------------|--------------|-------|-----------|-----------|------------------|---|---|---|---|---|---|---|---|---|--------------------|--|-----------------|
| CSB-04B-3.0-20240731     | 5.1    | 7/31/24      | 0920         | 3.0   | C         | 1         | X                | X | X | X | X | X | X | X | X | X |                    |  |                 |
| CSB-049-3.0-20240731     | 5.1    | 7/31/24      | 0930         | 3.0   | C         | 1         | X                | X | X | X | X | X | X | X | X | X |                    |  |                 |
| CSB-056-3.0-20240731     | 5.1    | 7/31/24      | 0940         | 3.0   | C         | 1         | X                | X | X | X | X | X | X | X | X | X |                    |  |                 |
| CSB-059-3.0-20240731     | 5.1    | 7/31/24      | 0950         | 3.0   | C         | 1         | X                | X | X | X | X | X | X | X | X | X |                    |  |                 |
| CSB-058-Dup-3.0-20240731 | 5.1    | 7/31/24      | —            | 3.0   | C         | 1         | X                | X | X | X | X | X | X | X | X | X |                    |  |                 |
| CSB-06-0-2-20240731      | 5.01   | 7/31/24      | 1405         | 0-2   | C         | 1         | X                | X | X | X | X | X | X | X | X | X |                    |  |                 |
| CSB-07-0-2-20240731      | 5.01   | 7/31/24      | 1355         | 0-2   | C         | 1         | X                | X | X | X | X | X | X | X | X | X |                    |  |                 |
| CSB-08-0-2-20240731      | 5.01   | 7/31/24      | 1415         | 0-2   | C         | 1         | X                | X | X | X | X | X | X | X | X | X |                    |  |                 |
| CSB-10-2-0-20240731      | 5.01   | 7/31/24      | 1435         | 2.0   | C         | 1         | X                | X | X | X | X | X | X | X | X | X |                    |  |                 |
| CSB-091-4.0-20240731     | 5.1    | 7/31/24      | 1445         | 4.0   | C         | 1         | X                | X | X | X | X | X | X | X | X | X |                    |  |                 |

|                                              |               |                         |          |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |                                |    |                  |    |    |    |    |   |   |    |  |  |  |  |
|----------------------------------------------|---------------|-------------------------|----------|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|---|--------------------------------|----|------------------|----|----|----|----|---|---|----|--|--|--|--|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM             | Texas 11 | Al | Sb | As | Ba | Be | B | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | Se                             | Ag | SiO <sub>2</sub> | Na | Sr | Ti | Sn | U | V | Zn |  |  |  |  |
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010: 8RCRA |          | Sb |    | As | Ba | Be | B | Cd | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se | Ag | Ti | U | Hg: 1631 / 245.1 / 7470 / 7471 |    |                  |    |    |    |    |   |   |    |  |  |  |  |

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |              |                              |                          |             |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-------------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time   |
| 1 <i>[Signature]</i>         | <i>[Signature]</i>       | 7/31/24 1602 | 3 <i>[Signature]</i>         | <i>[Signature]</i>       | 7/31/24 800 |
| 5                            |                          |              | 6                            |                          |             |





## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-0680

## Chain of Custody

**Work Order No.:**

Page 2 of 3

|                  |                          |                         |                       |
|------------------|--------------------------|-------------------------|-----------------------|
| Project Manager: | Brad Wyne                | Bill to: (if different) |                       |
| Company Name:    | AECOM                    | Company Name:           |                       |
| Address:         | 13355 Noel Rd. Suite 400 | Address:                |                       |
| City, State ZIP: | Dallas, TX 75240         | City, State ZIP:        |                       |
| Phone:           | 214-971-1829             | Email:                  | Brad.k.wyne@AECOM.com |

**Work Order Comments**

**Program:** UST/PST ☐ PAP ☐ Brownfields ☐ RRC ☐ Superfund ☐

**State of Project:** NM

**Reporting:** Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

**Deliverables:** EDD ☒ ADAPT ☐ Other: \_\_\_\_\_

|                          |  |                     |  |                                                                              |  |                        |  |                      |  |                  |  |    |  |  |  |  |  |                                                                   |  |                            |  |
|--------------------------|--|---------------------|--|------------------------------------------------------------------------------|--|------------------------|--|----------------------|--|------------------|--|----|--|--|--|--|--|-------------------------------------------------------------------|--|----------------------------|--|
| Project Name:            |  | Amoco CTB           |  | Turn Around                                                                  |  |                        |  | Pres. Code           |  | ANALYSIS REQUEST |  |    |  |  |  |  |  |                                                                   |  | Preservative Codes         |  |
| Project Number:          |  | 60734207            |  | <input type="checkbox"/> Routine<br><input checked="" type="checkbox"/> Rush |  |                        |  |                      |  |                  |  |    |  |  |  |  |  | None: NO                                                          |  | DI Water: H <sub>2</sub> O |  |
| Project Location:        |  | Loviny, NM          |  | Due Date:                                                                    |  | 24 hr                  |  |                      |  |                  |  |    |  |  |  |  |  | Cool: Cool                                                        |  | MeOH: Me                   |  |
| Sampler's Name:          |  | J. Landy, M. Calder |  | TAT starts the day received by the lab, if received by 4:30pm                |  |                        |  |                      |  |                  |  |    |  |  |  |  |  | HCL: HC                                                           |  | HNO <sub>3</sub>           |  |
| PO #:                    |  |                     |  |                                                                              |  |                        |  |                      |  |                  |  |    |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |  | NaOH: Na                   |  |
| SAMPLE RECEIPT           |  | Temp Blank:         |  | Yes                                                                          |  | No                     |  | Wet Ice:             |  | Yes              |  | No |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |  |                            |  |
| Samples Received Intact: |  | Yes                 |  | No                                                                           |  | Thermometer ID:        |  |                      |  |                  |  |    |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS                                        |  |                            |  |
| Cooler Custody Seals:    |  | Yes                 |  | No                                                                           |  | Correction Factor:     |  |                      |  |                  |  |    |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |                            |  |
| Sample Custody Seals:    |  | Yes                 |  | No                                                                           |  | N/A                    |  | Temperature Reading: |  |                  |  |    |  |  |  |  |  | Zn Acetate+NaOH: Zn                                               |  |                            |  |
| Total Containers:        |  |                     |  |                                                                              |  | Corrected Temperature: |  |                      |  |                  |  |    |  |  |  |  |  | NaOH+Ascorbic Acid: SACP                                          |  |                            |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grav./comp | # of Cont | C | T | B |
|-----------------------|--------|--------------|--------------|-------|------------|-----------|---|---|---|
| CSB-086-3.0-2024Q7A   | Sr:1   | 7/31/24      | 1100         | 3.0   | C          | 1         | X | X | X |
| CSB-095-3.0-2024Q7A   |        |              | 1120         | 3.0   | C          | 1         | X | X | X |
| CSB-082-4.0-2024Q7A   |        |              | 1435         | 4.0   | C          | 1         | X | X | X |
| CSB-093-5.0-2024Q7A   |        |              | 1455         | 5.0   | C          | 1         | X | X | X |
| CSB-068-3.0-2024Q7A   |        |              | 1530         | 3.0   | C          | 1         | X | X | X |
| CSB-069-3.0-2024Q7A   |        |              | 1540         | 3.0   | C          | 1         | X | X | X |
| CSB-077-3.0-2024Q7A   |        |              | 1550         | 3.0   | C          | 1         | X | X | X |
| CSW-02-0-3-2024Q7A    |        |              | 1630         | 0.3   | C          | 1         | X | X | X |
| CSB-087-3.0-2024Q7A   |        |              | 1620         | 3.0   | C          | 1         | X | X | X |
| CSW-03-0-3-2024Q7A    |        |              | 1640         | 0.3   | C          | 1         | X | X | X |

| Total                   | 200.7 / 6010 | 200.8 / 6020: |                                                                                               |
|-------------------------|--------------|---------------|-----------------------------------------------------------------------------------------------|
| 8RCRA                   | 13PPM        | Texas 11      | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| TCLP / SPLP 6010: 8RCRA |              |               | Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U                                                |
|                         |              |               | Hg: 1631 / 245.1 / 7470 / 7471                                                                |

Modex: Signature of this document and reimbursement of samples constitutes a valid purchase order from client company to Eurofins Xenoq, its affiliates and subcontractors. It assigns standard terms and conditions of Eurofins Xenoq. Eurofins Xenoq will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenoq. A minimum charge of \$350.00 will be applied to each project and a charge of \$3 for each sample submitted to Eurofins Xenoq, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| <i>[Signature]</i>           |                          | 7/31/24 1630 |                              | <i>[Signature]</i>       |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |





## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 802-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 382-7550, Carlsbad, NM (575) 888-3199  
Little Rock, AR (501) 224-5060

## Chain of Custody

**Work Order No.:**

Page 3 of 3

|                  |                       |                         |                        |
|------------------|-----------------------|-------------------------|------------------------|
| Project Manager: | Bred w/mc             | Bill to: (if different) |                        |
| Company Name:    | AECOM                 | Company Name:           |                        |
| Address:         | 1335 Nod Rd suite 400 | Address:                |                        |
| City, State ZIP: | Dallas TX 75240       | City, State ZIP:        |                        |
| Phone:           | 214-971-1829          | Email:                  | Bredley.wymc@AECOM.com |

| Work Order Comments                                                                                                                                                              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Program: UST/PST <input type="checkbox"/> RRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project: NJ                                                                                                                                                             |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____                                                                                |  |

|                           |  |                     |  |                                                                              |  |                        |  |            |  |                  |  |  |  |  |  |  |  |                                                                   |  |                            |  |
|---------------------------|--|---------------------|--|------------------------------------------------------------------------------|--|------------------------|--|------------|--|------------------|--|--|--|--|--|--|--|-------------------------------------------------------------------|--|----------------------------|--|
| Project Name:             |  | Amc D CTB           |  | Turn Around                                                                  |  |                        |  | Pres. Code |  | ANALYSIS REQUEST |  |  |  |  |  |  |  |                                                                   |  | Preservative Codes         |  |
| Project Number:           |  | 60734207            |  | <input type="checkbox"/> Routine<br><input checked="" type="checkbox"/> Rush |  |                        |  |            |  |                  |  |  |  |  |  |  |  | None: NO                                                          |  | DI Water: H <sub>2</sub> O |  |
| Project Location:         |  | Leaving, NM         |  | Due Date:                                                                    |  | 24 hr                  |  |            |  |                  |  |  |  |  |  |  |  | Cool: Cool                                                        |  | MeOH: Me                   |  |
| Sampler's Name:           |  | J. Leroy, M. Culver |  | TAT starts the day received by the lab, if received by 4:30pm                |  |                        |  |            |  |                  |  |  |  |  |  |  |  | HCL: HC                                                           |  | HNO <sub>3</sub>           |  |
| PO #:                     |  |                     |  |                                                                              |  |                        |  |            |  |                  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |  | NaOH: Na                   |  |
| SAMPLE RECEIPT            |  | Temp Blank:         |  | Yes No                                                                       |  | Thermometer ID:        |  | Wet Ice:   |  | Yes No           |  |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |  |                            |  |
| Samples Received In tact: |  | Yes No              |  |                                                                              |  | Correction Factor:     |  |            |  |                  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS                                        |  |                            |  |
| Cooler Custody Seals:     |  | Yes No N/A          |  |                                                                              |  | Temperature Reading:   |  |            |  |                  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |                            |  |
| Sample Custody Seals:     |  | Yes No N/A          |  |                                                                              |  | Corrected Temperature: |  |            |  |                  |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn                                               |  |                            |  |
| Total Containers:         |  |                     |  |                                                                              |  |                        |  |            |  |                  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid: SAPC                                          |  |                            |  |

[illegible]

| Total                   | 200.7 / 6010 | 200.0 / 6020: |                                                                                               |
|-------------------------|--------------|---------------|-----------------------------------------------------------------------------------------------|
| 8RCRA                   | 13PPM        | Texas 11      | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| TCLP / SPLP 6010: 8RCRA |              |               | Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U                                                |
|                         |              |               | Hg: 1631 / 245.1 / 7470 / 7471                                                                |

Notes: Signature of this document of relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xanaco. It assigns standard terms and conditions of Eurofins Xanaco. A minimum charge of \$85.00 will be applied to each project and a charge of \$3 for each sample submitted to Eurofins Xanaco, but not analyzed. These terms will be enforced unless previously negotiated, or waived. Eurofins Xanaco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. Eurofins Xanaco and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| <i>[Signature]</i> - AECom   |                          | 7/31/24 1:30 | 2                            | <i>[Signature]</i>       |           |
|                              |                          |              | 4                            |                          |           |
|                              |                          |              | 6                            |                          |           |
|                              |                          |              |                              |                          |           |



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46749-1

SDG Number: Loving NM

Login Number: 46749

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240  
Generated 8/5/2024 5:34:23 PM

## JOB DESCRIPTION

Amoco Site  
Loving NM

## JOB NUMBER

880-46749-2

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/5/2024 5:34:23 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco Site

Laboratory Job ID: 880-46749-2  
SDG: Loving NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.                                                     |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1-       | Surrogate recovery exceeds control limits, low biased.                                                         |
| S1+       | Surrogate recovery exceeds control limits, high biased.                                                        |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco Site

Job ID: 880-46749-2

**Job ID: 880-46749-2**

**Eurofins Midland**

### Job Narrative 880-46749-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/1/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C.

#### GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-87238 and analytical batch 880-87227 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-87231 and analytical batch 880-87290 was outside the upper control limits.

Method 8015MOD\_NM: The laboratory control sample (LCS) associated with preparation batch 880-87231 and analytical batch 880-87290 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: CSB-058-3.0-20240731 (880-46749-3), CSW-07-0-2-20240731 (880-46749-7) and CSB-082-4.0-20240731 (880-46749-13). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-87290 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-87290/21).

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (880-46579-A-1-E), (880-46579-A-1-T MS) and (880-46579-A-1-U MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland



## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSB-048-3.0-20240731

Lab Sample ID: 880-46749-1

Date Collected: 07/31/24 09:20

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00141 | U         | 0.00202 | 0.00141 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 11:50 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 | 0.00202 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 11:50 | 1       |
| Ethylbenzene        | <0.00110 | U         | 0.00202 | 0.00110 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 11:50 | 1       |
| m-Xylene & p-Xylene | <0.00231 | U         | 0.00404 | 0.00231 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 11:50 | 1       |
| o-Xylene            | <0.00160 | U         | 0.00202 | 0.00160 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 11:50 | 1       |
| Xylenes, Total      | <0.00231 | U         | 0.00404 | 0.00231 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 11:50 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 | 08/01/24 08:32 | 08/01/24 11:50 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 | 08/01/24 08:32 | 08/01/24 11:50 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00231 | U         | 0.00404 | 0.00231 | mg/Kg |   |          | 08/01/24 11:50 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   |          | 08/01/24 14:46 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U *       | 50.0 | 14.5 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 14:46 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 14:46 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 14:46 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 82        |           | 70 - 130 | 08/01/24 08:22 | 08/01/24 14:46 | 1       |
| o-Terphenyl    | 74        |           | 70 - 130 | 08/01/24 08:22 | 08/01/24 14:46 | 1       |

Client Sample ID: CSB-049-3.0-20240731

Lab Sample ID: 880-46749-2

Date Collected: 07/31/24 09:30

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00140 | U         | 0.00201 | 0.00140 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 12:10 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | 0.00201 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 12:10 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00201 | 0.00109 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 12:10 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 12:10 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00201 | 0.00159 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 12:10 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 12:10 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 | 08/01/24 08:32 | 08/01/24 12:10 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 | 08/01/24 08:32 | 08/01/24 12:10 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   |          | 08/01/24 12:10 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSB-049-3.0-20240731

Lab Sample ID: 880-46749-2

Date Collected: 07/31/24 09:30

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.0  | U         | 49.7 | 15.0 | mg/Kg |   |          | 08/01/24 15:42 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.4     | U *       | 49.7     | 14.4 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 15:42 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 15:42 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 15:42 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 82        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 15:42 | 1       |
| o-Terphenyl                          | 71        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 15:42 | 1       |

Client Sample ID: CSB-058-3.0-20240731

Lab Sample ID: 880-46749-3

Date Collected: 07/31/24 09:40

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 12:31 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 12:31 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 12:31 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 12:31 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 12:31 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 12:31 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 12:31 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 12:31 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 08/01/24 12:31 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   |          | 08/01/24 16:00 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U *       | 50.0     | 14.5 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 16:00 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 16:00 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 16:00 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 75        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 16:00 | 1       |
| o-Terphenyl                          | 67        | S1-       | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 16:00 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSB-059-3.0-20240731  
Date Collected: 07/31/24 09:50  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-4  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC) |           |           |          |         |       |   |                |                |         |
|-------------------------------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Analyte                                               | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene                                               | <0.00139  | U         | 0.00199  | 0.00139 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 12:51 | 1       |
| Toluene                                               | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 12:51 | 1       |
| Ethylbenzene                                          | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 12:51 | 1       |
| m-Xylene & p-Xylene                                   | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 12:51 | 1       |
| o-Xylene                                              | <0.00158  | U         | 0.00199  | 0.00158 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 12:51 | 1       |
| Xylenes, Total                                        | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 12:51 | 1       |
| Surrogate                                             | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)                           | 109       |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 12:51 | 1       |
| 1,4-Difluorobenzene (Surr)                            | 98        |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 12:51 | 1       |

| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |         |       |   |          |                |         |
|-----------------------------------------------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Analyte                                             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total BTEX                                          | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg | - |          | 08/01/24 12:51 | 1       |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total TPH                                                | <15.1  | U         | 49.8 | 15.1 | mg/Kg | - |          | 08/01/24 16:18 | 1       |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |      |       |   |                |                |         |
|-----------------------------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.5     | U *       | 49.8     | 14.5 | mg/Kg | - | 08/01/24 08:22 | 08/01/24 16:18 | 1       |
| Diesel Range Organics (Over C10-C28)                      | <15.1     | U         | 49.8     | 15.1 | mg/Kg | - | 08/01/24 08:22 | 08/01/24 16:18 | 1       |
| Oil Range Organics (Over C28-C36)                         | <15.1     | U         | 49.8     | 15.1 | mg/Kg | - | 08/01/24 08:22 | 08/01/24 16:18 | 1       |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                                            | 90        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 16:18 | 1       |
| o-Terphenyl                                               | 80        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 16:18 | 1       |

Client Sample ID: CSB-058-DUP-3.0-20240731  
Date Collected: 07/31/24 00:00  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-5  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC) |           |           |          |         |       |   |                |                |         |
|-------------------------------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Analyte                                               | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene                                               | <0.00138  | U         | 0.00199  | 0.00138 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 13:12 | 1       |
| Toluene                                               | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 13:12 | 1       |
| Ethylbenzene                                          | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 13:12 | 1       |
| m-Xylene & p-Xylene                                   | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 13:12 | 1       |
| o-Xylene                                              | <0.00157  | U         | 0.00199  | 0.00157 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 13:12 | 1       |
| Xylenes, Total                                        | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 13:12 | 1       |
| Surrogate                                             | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)                           | 107       |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 13:12 | 1       |
| 1,4-Difluorobenzene (Surr)                            | 96        |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 13:12 | 1       |

| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |         |       |   |          |                |         |
|-----------------------------------------------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Analyte                                             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total BTEX                                          | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - |          | 08/01/24 13:12 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSB-058-DUP-3.0-20240731

Lab Sample ID: 880-46749-5

Date Collected: 07/31/24 00:00

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.0  | U         | 49.7 | 15.0 | mg/Kg |   |          | 08/01/24 16:36 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.4     | U *       | 49.7     | 14.4 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 16:36 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 16:36 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 16:36 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 82        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 16:36 | 1       |
| o-Terphenyl                          | 71        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 16:36 | 1       |

Client Sample ID: CSW-06-0-2-20240731

Lab Sample ID: 880-46749-6

Date Collected: 07/31/24 14:05

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00141  | U         | 0.00202  | 0.00141 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 13:32 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | 0.00202 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 13:32 | 1       |
| Ethylbenzene                | <0.00110  | U         | 0.00202  | 0.00110 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 13:32 | 1       |
| m-Xylene & p-Xylene         | <0.00231  | U         | 0.00404  | 0.00231 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 13:32 | 1       |
| o-Xylene                    | <0.00160  | U         | 0.00202  | 0.00160 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 13:32 | 1       |
| Xylenes, Total              | <0.00231  | U         | 0.00404  | 0.00231 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 13:32 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 13:32 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 13:32 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00231 | U         | 0.00404 | 0.00231 | mg/Kg |   |          | 08/01/24 13:32 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.9 | 15.1 | mg/Kg |   |          | 08/01/24 16:54 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U *       | 49.9     | 14.5 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 16:54 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 16:54 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 16:54 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 89        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 16:54 | 1       |
| o-Terphenyl                          | 77        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 16:54 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSW-07-0-2-20240731

Lab Sample ID: 880-46749-7

Date Collected: 07/31/24 13:55

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00140 | U         | 0.00201 | 0.00140 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 13:53 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | 0.00201 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 13:53 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00201 | 0.00109 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 13:53 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 13:53 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00201 | 0.00159 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 13:53 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 13:53 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 08/01/24 08:32 | 08/01/24 13:53 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 | 08/01/24 08:32 | 08/01/24 13:53 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   |          | 08/01/24 13:53 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   |          | 08/01/24 17:13 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U *       | 50.0 | 14.5 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 17:13 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 17:13 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 17:13 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 79        |           | 70 - 130 | 08/01/24 08:22 | 08/01/24 17:13 | 1       |
| o-Terphenyl    | 68        | S1-       | 70 - 130 | 08/01/24 08:22 | 08/01/24 17:13 | 1       |

Client Sample ID: CSW-05-0-2-20240731

Lab Sample ID: 880-46749-8

Date Collected: 07/31/24 14:15

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 14:13 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 14:13 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 14:13 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 14:13 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 14:13 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 14:13 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 | 08/01/24 08:32 | 08/01/24 14:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 08/01/24 08:32 | 08/01/24 14:13 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 08/01/24 14:13 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSW-05-0-2-20240731

Lab Sample ID: 880-46749-8

Date Collected: 07/31/24 14:15

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.9 | 15.1 | mg/Kg |   |          | 08/01/24 17:31 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U *       | 49.9     | 14.5 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 17:31 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 17:31 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 17:31 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 82        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 17:31 | 1       |
| o-Terphenyl                          | 72        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 17:31 | 1       |

Client Sample ID: CSB-110-3.0-20240731

Lab Sample ID: 880-46749-9

Date Collected: 07/31/24 14:25

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 14:34 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 14:34 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 14:34 | 1       |
| m-Xylene & p-Xylene         | <0.00229  | U         | 0.00400  | 0.00229 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 14:34 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 14:34 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00400  | 0.00229 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 14:34 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 14:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 14:34 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg |   |          | 08/01/24 14:34 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.0  | U         | 49.6 | 15.0 | mg/Kg |   |          | 08/01/24 17:49 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.4     | U *       | 49.6     | 14.4 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 17:49 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.0     | U         | 49.6     | 15.0 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 17:49 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.0     | U         | 49.6     | 15.0 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 17:49 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 89        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 17:49 | 1       |
| o-Terphenyl                          | 76        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 17:49 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSB-086-3.0-20240731

Lab Sample ID: 880-46749-11

Date Collected: 07/31/24 11:00

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00140 | U         | 0.00201 | 0.00140 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 16:28 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | 0.00201 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 16:28 | 1       |
| Ethylbenzene        | <0.00110 | U         | 0.00201 | 0.00110 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 16:28 | 1       |
| m-Xylene & p-Xylene | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 16:28 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00201 | 0.00159 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 16:28 | 1       |
| Xylenes, Total      | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 16:28 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 | 08/01/24 08:32 | 08/01/24 16:28 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 08/01/24 08:32 | 08/01/24 16:28 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg | - |          | 08/01/24 16:28 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.9 | 15.1 | mg/Kg | - |          | 08/01/24 18:44 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U *       | 49.9 | 14.5 | mg/Kg | - | 08/01/24 08:22 | 08/01/24 18:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1  | U         | 49.9 | 15.1 | mg/Kg | - | 08/01/24 08:22 | 08/01/24 18:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 49.9 | 15.1 | mg/Kg | - | 08/01/24 08:22 | 08/01/24 18:44 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 93        |           | 70 - 130 | 08/01/24 08:22 | 08/01/24 18:44 | 1       |
| o-Terphenyl    | 80        |           | 70 - 130 | 08/01/24 08:22 | 08/01/24 18:44 | 1       |

Client Sample ID: CSB-095-3.0-20240731

Lab Sample ID: 880-46749-12

Date Collected: 07/31/24 11:20

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00148 | U         | 0.00213 | 0.00148 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 16:49 | 1       |
| Toluene             | <0.00213 | U         | 0.00213 | 0.00213 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 16:49 | 1       |
| Ethylbenzene        | <0.00116 | U         | 0.00213 | 0.00116 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 16:49 | 1       |
| m-Xylene & p-Xylene | <0.00243 | U         | 0.00426 | 0.00243 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 16:49 | 1       |
| o-Xylene            | <0.00169 | U         | 0.00213 | 0.00169 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 16:49 | 1       |
| Xylenes, Total      | <0.00243 | U         | 0.00426 | 0.00243 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 16:49 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 08/01/24 08:32 | 08/01/24 16:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 08/01/24 08:32 | 08/01/24 16:49 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00243 | U         | 0.00426 | 0.00243 | mg/Kg | - |          | 08/01/24 16:49 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSB-095-3.0-20240731

Lab Sample ID: 880-46749-12

Date Collected: 07/31/24 11:20

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 08/01/24 19:02 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U *       | 49.8     | 14.5 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 19:02 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 19:02 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 19:02 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 91        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 19:02 | 1       |
| o-Terphenyl                          | 79        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 19:02 | 1       |

Client Sample ID: CSB-068-3.0-20240731

Lab Sample ID: 880-46749-15

Date Collected: 07/31/24 15:30

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00136  | U         | 0.00195  | 0.00136 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 17:50 | 1       |
| Toluene                     | <0.00195  | U         | 0.00195  | 0.00195 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 17:50 | 1       |
| Ethylbenzene                | <0.00106  | U         | 0.00195  | 0.00106 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 17:50 | 1       |
| m-Xylene & p-Xylene         | <0.00223  | U         | 0.00391  | 0.00223 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 17:50 | 1       |
| o-Xylene                    | <0.00155  | U         | 0.00195  | 0.00155 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 17:50 | 1       |
| Xylenes, Total              | <0.00223  | U         | 0.00391  | 0.00223 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 17:50 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 17:50 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 17:50 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00223 | U         | 0.00391 | 0.00223 | mg/Kg |   |          | 08/01/24 17:50 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 08/01/24 19:57 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U *       | 49.8     | 14.5 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 19:57 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 19:57 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 19:57 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 88        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 19:57 | 1       |
| o-Terphenyl                          | 77        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 19:57 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSB-069-3.0-20240731

Lab Sample ID: 880-46749-16

Date Collected: 07/31/24 15:40

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00146  | U         | 0.00210  | 0.00146 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 18:11 | 1       |
| Toluene                     | <0.00210  | U         | 0.00210  | 0.00210 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 18:11 | 1       |
| Ethylbenzene                | <0.00114  | U         | 0.00210  | 0.00114 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 18:11 | 1       |
| m-Xylene & p-Xylene         | <0.00240  | U         | 0.00420  | 0.00240 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 18:11 | 1       |
| o-Xylene                    | <0.00166  | U         | 0.00210  | 0.00166 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 18:11 | 1       |
| Xylenes, Total              | <0.00240  | U         | 0.00420  | 0.00240 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 18:11 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 18:11 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 18:11 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00240 | U         | 0.00420 | 0.00240 | mg/Kg | - |          | 08/01/24 18:11 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.9 | 15.1 | mg/Kg | - |          | 08/01/24 20:15 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U *       | 49.9     | 14.5 | mg/Kg | - | 08/01/24 08:22 | 08/01/24 20:15 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.9     | 15.1 | mg/Kg | - | 08/01/24 08:22 | 08/01/24 20:15 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.9     | 15.1 | mg/Kg | - | 08/01/24 08:22 | 08/01/24 20:15 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 97        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 20:15 | 1       |
| o-Terphenyl                          | 83        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 20:15 | 1       |

Client Sample ID: CSB-077-3.0-20240731

Lab Sample ID: 880-46749-17

Date Collected: 07/31/24 15:50

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00138  | U         | 0.00199  | 0.00138 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 18:31 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 18:31 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 18:31 | 1       |
| m-Xylene & p-Xylene         | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 18:31 | 1       |
| o-Xylene                    | <0.00157  | U         | 0.00199  | 0.00157 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 18:31 | 1       |
| Xylenes, Total              | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 18:31 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 18:31 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 18:31 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - |          | 08/01/24 18:31 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSB-077-3.0-20240731

Lab Sample ID: 880-46749-17

Date Collected: 07/31/24 15:50

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.0  | U         | 49.7 | 15.0 | mg/Kg |   |          | 08/01/24 20:32 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.4     | U **      | 49.7     | 14.4 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 20:32 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 20:32 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 20:32 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 92        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 20:32 | 1       |
| o-Terphenyl                          | 76        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 20:32 | 1       |

Client Sample ID: CSW-02-03-20240731

Lab Sample ID: 880-46749-18

Date Collected: 07/31/24 16:30

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00140  | U         | 0.00201  | 0.00140 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 18:52 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | 0.00201 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 18:52 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00201  | 0.00109 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 18:52 | 1       |
| m-Xylene & p-Xylene         | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 18:52 | 1       |
| o-Xylene                    | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 18:52 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 18:52 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 18:52 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 |         |       |   | 08/01/24 08:32 | 08/01/24 18:52 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   |          | 08/01/24 18:52 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.9 | 15.1 | mg/Kg |   |          | 08/01/24 20:49 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U **      | 49.9     | 14.5 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 20:49 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 20:49 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 20:49 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 89        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 20:49 | 1       |
| o-Terphenyl                          | 74        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 20:49 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSB-087-3.0-20240731

Lab Sample ID: 880-46749-19

Date Collected: 07/31/24 16:20

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00199 | 0.00139 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 19:12 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 19:12 | 1       |
| Ethylbenzene        | <0.00108 | U         | 0.00199 | 0.00108 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 19:12 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 19:12 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00199 | 0.00158 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 19:12 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 19:12 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 08/01/24 08:32 | 08/01/24 19:12 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 08/01/24 08:32 | 08/01/24 19:12 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg | - |          | 08/01/24 19:12 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg | - |          | 08/01/24 21:06 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U *       | 49.8 | 14.5 | mg/Kg | - | 08/01/24 08:22 | 08/01/24 21:06 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1  | U         | 49.8 | 15.1 | mg/Kg | - | 08/01/24 08:22 | 08/01/24 21:06 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 49.8 | 15.1 | mg/Kg | - | 08/01/24 08:22 | 08/01/24 21:06 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 94        |           | 70 - 130 | 08/01/24 08:22 | 08/01/24 21:06 | 1       |
| o-Terphenyl    | 81        |           | 70 - 130 | 08/01/24 08:22 | 08/01/24 21:06 | 1       |

Client Sample ID: CSW-03-0-3-20240731

Lab Sample ID: 880-46749-20

Date Collected: 07/31/24 16:40

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00138 | U         | 0.00199 | 0.00138 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 19:33 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 19:33 | 1       |
| Ethylbenzene        | <0.00108 | U         | 0.00199 | 0.00108 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 19:33 | 1       |
| m-Xylene & p-Xylene | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 19:33 | 1       |
| o-Xylene            | <0.00157 | U         | 0.00199 | 0.00157 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 19:33 | 1       |
| Xylenes, Total      | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - | 08/01/24 08:32 | 08/01/24 19:33 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 | 08/01/24 08:32 | 08/01/24 19:33 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 | 08/01/24 08:32 | 08/01/24 19:33 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - |          | 08/01/24 19:33 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSW-03-0-3-20240731

Lab Sample ID: 880-46749-20

Date Collected: 07/31/24 16:40

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 15.9   | J         | 50.0 | 15.1 | mg/Kg |   |          | 08/01/24 21:22 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U *       | 50.0     | 14.5 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 21:22 | 1       |
| Diesel Range Organics (Over C10-C28) | 15.9      | J         | 50.0     | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 21:22 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 21:22 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 96        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 21:22 | 1       |
| o-Terphenyl                          | 84        |           | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 21:22 | 1       |

Client Sample ID: CSW-04-0-3-20240731

Lab Sample ID: 880-46749-21

Date Collected: 07/31/24 16:50

Matrix: Solid

Date Received: 08/01/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00141  | U         | 0.00202  | 0.00141 | mg/Kg |   | 08/01/24 08:47 | 08/01/24 12:07 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | 0.00202 | mg/Kg |   | 08/01/24 08:47 | 08/01/24 12:07 | 1       |
| Ethylbenzene                | <0.00110  | U         | 0.00202  | 0.00110 | mg/Kg |   | 08/01/24 08:47 | 08/01/24 12:07 | 1       |
| m-Xylene & p-Xylene         | <0.00231  | U         | 0.00404  | 0.00231 | mg/Kg |   | 08/01/24 08:47 | 08/01/24 12:07 | 1       |
| o-Xylene                    | <0.00160  | U         | 0.00202  | 0.00160 | mg/Kg |   | 08/01/24 08:47 | 08/01/24 12:07 | 1       |
| Xylenes, Total              | <0.00231  | U         | 0.00404  | 0.00231 | mg/Kg |   | 08/01/24 08:47 | 08/01/24 12:07 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 80        |           | 70 - 130 |         |       |   | 08/01/24 08:47 | 08/01/24 12:07 | 1       |
| 1,4-Difluorobenzene (Surr)  | 105       |           | 70 - 130 |         |       |   | 08/01/24 08:47 | 08/01/24 12:07 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00231 | U         | 0.00404 | 0.00231 | mg/Kg |   |          | 08/01/24 12:07 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.0  | U         | 49.7 | 15.0 | mg/Kg |   |          | 08/02/24 21:39 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.4     | U         | 49.7     | 14.4 | mg/Kg |   | 08/01/24 07:20 | 08/02/24 21:39 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 08/01/24 07:20 | 08/02/24 21:39 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 08/01/24 07:20 | 08/02/24 21:39 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 127       |           | 70 - 130 |      |       |   | 08/01/24 07:20 | 08/02/24 21:39 | 1       |
| o-Terphenyl                          | 125       |           | 70 - 130 |      |       |   | 08/01/24 07:20 | 08/02/24 21:39 | 1       |

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## Surrogate Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                          | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|-----------------------------------|--------------------------|------------------------------------------------|----------|--|--|--|--|
| Lab Sample ID                     | Client Sample ID         | BFB1                                           | DFBZ1    |  |  |  |  |
|                                   |                          | (70-130)                                       | (70-130) |  |  |  |  |
| 880-46749-1                       | CSB-048-3.0-20240731     | 105                                            | 96       |  |  |  |  |
| 880-46749-1 MS                    | CSB-048-3.0-20240731     | 100                                            | 95       |  |  |  |  |
| 880-46749-1 MSD                   | CSB-048-3.0-20240731     | 100                                            | 96       |  |  |  |  |
| 880-46749-2                       | CSB-049-3.0-20240731     | 110                                            | 98       |  |  |  |  |
| 880-46749-3                       | CSB-058-3.0-20240731     | 107                                            | 96       |  |  |  |  |
| 880-46749-4                       | CSB-059-3.0-20240731     | 109                                            | 98       |  |  |  |  |
| 880-46749-5                       | CSB-058-DUP-3.0-20240731 | 107                                            | 96       |  |  |  |  |
| 880-46749-6                       | CSW-06-0-2-20240731      | 109                                            | 96       |  |  |  |  |
| 880-46749-7                       | CSW-07-0-2-20240731      | 104                                            | 96       |  |  |  |  |
| 880-46749-8                       | CSW-05-0-2-20240731      | 103                                            | 95       |  |  |  |  |
| 880-46749-9                       | CSB-110-3.0-20240731     | 108                                            | 97       |  |  |  |  |
| 880-46749-11                      | CSB-086-3.0-20240731     | 108                                            | 95       |  |  |  |  |
| 880-46749-12                      | CSB-095-3.0-20240731     | 104                                            | 95       |  |  |  |  |
| 880-46749-15                      | CSB-068-3.0-20240731     | 114                                            | 96       |  |  |  |  |
| 880-46749-16                      | CSB-069-3.0-20240731     | 107                                            | 97       |  |  |  |  |
| 880-46749-17                      | CSB-077-3.0-20240731     | 106                                            | 95       |  |  |  |  |
| 880-46749-18                      | CSW-02-03-20240731       | 108                                            | 96       |  |  |  |  |
| 880-46749-19                      | CSB-087-3.0-20240731     | 114                                            | 95       |  |  |  |  |
| 880-46749-20                      | CSW-03-0-3-20240731      | 106                                            | 97       |  |  |  |  |
| 880-46749-21                      | CSW-04-0-3-20240731      | 80                                             | 105      |  |  |  |  |
| 880-46749-21 MS                   | CSW-04-0-3-20240731      | 99                                             | 96       |  |  |  |  |
| 880-46749-21 MSD                  | CSW-04-0-3-20240731      | 104                                            | 108      |  |  |  |  |
| LCS 880-87235/1-A                 | Lab Control Sample       | 103                                            | 95       |  |  |  |  |
| LCS 880-87238/1-A                 | Lab Control Sample       | 89                                             | 107      |  |  |  |  |
| LCSD 880-87235/2-A                | Lab Control Sample Dup   | 101                                            | 94       |  |  |  |  |
| LCSD 880-87238/2-A                | Lab Control Sample Dup   | 94                                             | 106      |  |  |  |  |
| MB 880-87235/5-A                  | Method Blank             | 105                                            | 90       |  |  |  |  |
| MB 880-87238/5-A                  | Method Blank             | 148 S1+                                        | 118      |  |  |  |  |
| <b>Surrogate Legend</b>           |                          |                                                |          |  |  |  |  |
| BFB = 4-Bromofluorobenzene (Surr) |                          |                                                |          |  |  |  |  |
| DFBZ = 1,4-Difluorobenzene (Surr) |                          |                                                |          |  |  |  |  |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                     |                          | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|---------------------|--------------------------|------------------------------------------------|----------|--|--|--|--|
| Lab Sample ID       | Client Sample ID         | 1CO1                                           | OTPH1    |  |  |  |  |
|                     |                          | (70-130)                                       | (70-130) |  |  |  |  |
| 880-46579-A-1-T MS  | Matrix Spike             | 116                                            | 138 S1+  |  |  |  |  |
| 880-46579-A-1-U MSD | Matrix Spike Duplicate   | 117                                            | 142 S1+  |  |  |  |  |
| 880-46749-1         | CSB-048-3.0-20240731     | 82                                             | 74       |  |  |  |  |
| 880-46749-1 MS      | CSB-048-3.0-20240731     | 83                                             | 78       |  |  |  |  |
| 880-46749-1 MSD     | CSB-048-3.0-20240731     | 84                                             | 76       |  |  |  |  |
| 880-46749-2         | CSB-049-3.0-20240731     | 82                                             | 71       |  |  |  |  |
| 880-46749-3         | CSB-058-3.0-20240731     | 75                                             | 67 S1-   |  |  |  |  |
| 880-46749-4         | CSB-059-3.0-20240731     | 90                                             | 80       |  |  |  |  |
| 880-46749-5         | CSB-058-DUP-3.0-20240731 | 82                                             | 71       |  |  |  |  |
| 880-46749-6         | CSW-06-0-2-20240731      | 89                                             | 77       |  |  |  |  |
| 880-46749-7         | CSW-07-0-2-20240731      | 79                                             | 68 S1-   |  |  |  |  |

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Surrogate Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

|                      |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|----------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID        | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-46749-8          | CSW-05-0-2-20240731    | 82                                             | 72                |
| 880-46749-9          | CSB-110-3.0-20240731   | 89                                             | 76                |
| 880-46749-11         | CSB-086-3.0-20240731   | 93                                             | 80                |
| 880-46749-12         | CSB-095-3.0-20240731   | 91                                             | 79                |
| 880-46749-15         | CSB-068-3.0-20240731   | 88                                             | 77                |
| 880-46749-16         | CSB-069-3.0-20240731   | 97                                             | 83                |
| 880-46749-17         | CSB-077-3.0-20240731   | 92                                             | 76                |
| 880-46749-18         | CSW-02-03-20240731     | 89                                             | 74                |
| 880-46749-19         | CSB-087-3.0-20240731   | 94                                             | 81                |
| 880-46749-20         | CSW-03-0-3-20240731    | 96                                             | 84                |
| 880-46749-21         | CSW-04-0-3-20240731    | 127                                            | 125               |
| LCS 880-87225/2-A    | Lab Control Sample     | 99                                             | 109               |
| LCS 880-87231/2-A    | Lab Control Sample     | 118                                            | 114               |
| LCSD 880-87225/3-A   | Lab Control Sample Dup | 123                                            | 108               |
| LCSD 880-87231/3-A   | Lab Control Sample Dup | 123                                            | 120               |
| MB 880-87225/1-A     | Method Blank           | 84                                             | 86                |
| MB 880-87231/1-A     | Method Blank           | 269 S1+                                        | 249 S1+           |
| Surrogate Legend     |                        |                                                |                   |
| 1CO = 1-Chlorooctane |                        |                                                |                   |
| OTPH = o-Terphenyl   |                        |                                                |                   |



## QC Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-87235/5-A

Matrix: Solid

Analysis Batch: 87234

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87235

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139     | U               | 0.00200 | 0.00139 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 11:28 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | 0.00200 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 11:28 | 1       |
| Ethylbenzene        | <0.00109     | U               | 0.00200 | 0.00109 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 11:28 | 1       |
| m-Xylene & p-Xylene | <0.00229     | U               | 0.00400 | 0.00229 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 11:28 | 1       |
| o-Xylene            | <0.00158     | U               | 0.00200 | 0.00158 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 11:28 | 1       |
| Xylenes, Total      | <0.00229     | U               | 0.00400 | 0.00229 | mg/Kg |   | 08/01/24 08:32 | 08/01/24 11:28 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105             |                 | 70 - 130 | 08/01/24 08:32 | 08/01/24 11:28 | 1       |
| 1,4-Difluorobenzene (Surr)  | 90              |                 | 70 - 130 | 08/01/24 08:32 | 08/01/24 11:28 | 1       |

Lab Sample ID: LCS 880-87235/1-A

Matrix: Solid

Analysis Batch: 87234

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87235

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.09083       |                  | mg/Kg |   | 91   | 70 - 130       |
| Toluene             | 0.100          | 0.08412       |                  | mg/Kg |   | 84   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.08724       |                  | mg/Kg |   | 87   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1844        |                  | mg/Kg |   | 92   | 70 - 130       |
| o-Xylene            | 0.100          | 0.09241       |                  | mg/Kg |   | 92   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 103              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 95               |                  | 70 - 130 |

Lab Sample ID: LCSD 880-87235/2-A

Matrix: Solid

Analysis Batch: 87234

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87235

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.08975        |                   | mg/Kg |   | 90   | 70 - 130       | 1   | 35           |
| Toluene             | 0.100          | 0.08338        |                   | mg/Kg |   | 83   | 70 - 130       | 1   | 35           |
| Ethylbenzene        | 0.100          | 0.08690        |                   | mg/Kg |   | 87   | 70 - 130       | 0   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.1833         |                   | mg/Kg |   | 92   | 70 - 130       | 1   | 35           |
| o-Xylene            | 0.100          | 0.09252        |                   | mg/Kg |   | 93   | 70 - 130       | 0   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 101               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 94                |                   | 70 - 130 |

Lab Sample ID: 880-46749-1 MS

Matrix: Solid

Analysis Batch: 87234

Client Sample ID: CSB-048-3.0-20240731

Prep Type: Total/NA

Prep Batch: 87235

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00141         | U                   | 0.100          | 0.1088       |                 | mg/Kg |   | 109  | 70 - 130       |
| Toluene | <0.00202         | U                   | 0.100          | 0.1001       |                 | mg/Kg |   | 100  | 70 - 130       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-46749-1 MS

Matrix: Solid

Analysis Batch: 87234

Client Sample ID: CSB-048-3.0-20240731

Prep Type: Total/NA

Prep Batch: 87235

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00110      | U                | 0.100       | 0.1026    |              | mg/Kg |   | 103  | 70 - 130    |
| m-Xylene & p-Xylene | <0.00231      | U                | 0.200       | 0.2156    |              | mg/Kg |   | 108  | 70 - 130    |
| o-Xylene            | <0.00160      | U                | 0.100       | 0.1071    |              | mg/Kg |   | 107  | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 100          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 95           |              | 70 - 130 |

Lab Sample ID: 880-46749-1 MSD

Matrix: Solid

Analysis Batch: 87234

Client Sample ID: CSB-048-3.0-20240731

Prep Type: Total/NA

Prep Batch: 87235

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00141      | U                | 0.100       | 0.1133     |               | mg/Kg |   | 113  | 70 - 130    | 4   | 35        |
| Toluene             | <0.00202      | U                | 0.100       | 0.1044     |               | mg/Kg |   | 104  | 70 - 130    | 4   | 35        |
| Ethylbenzene        | <0.00110      | U                | 0.100       | 0.1075     |               | mg/Kg |   | 108  | 70 - 130    | 5   | 35        |
| m-Xylene & p-Xylene | <0.00231      | U                | 0.200       | 0.2257     |               | mg/Kg |   | 113  | 70 - 130    | 5   | 35        |
| o-Xylene            | <0.00160      | U                | 0.100       | 0.1117     |               | mg/Kg |   | 112  | 70 - 130    | 4   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 100           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 96            |               | 70 - 130 |

Lab Sample ID: MB 880-87238/5-A

Matrix: Solid

Analysis Batch: 87227

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87238

| Analyte             | MB Result | MB Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139  | U            | 0.00200 | 0.00139 | mg/Kg |   | 08/01/24 08:47 | 08/01/24 11:38 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 | 0.00200 | mg/Kg |   | 08/01/24 08:47 | 08/01/24 11:38 | 1       |
| Ethylbenzene        | <0.00109  | U            | 0.00200 | 0.00109 | mg/Kg |   | 08/01/24 08:47 | 08/01/24 11:38 | 1       |
| m-Xylene & p-Xylene | <0.00229  | U            | 0.00400 | 0.00229 | mg/Kg |   | 08/01/24 08:47 | 08/01/24 11:38 | 1       |
| o-Xylene            | <0.00158  | U            | 0.00200 | 0.00158 | mg/Kg |   | 08/01/24 08:47 | 08/01/24 11:38 | 1       |
| Xylenes, Total      | <0.00229  | U            | 0.00400 | 0.00229 | mg/Kg |   | 08/01/24 08:47 | 08/01/24 11:38 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 148          | S1+          | 70 - 130 | 08/01/24 08:47 | 08/01/24 11:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 118          |              | 70 - 130 | 08/01/24 08:47 | 08/01/24 11:38 | 1       |

Lab Sample ID: LCS 880-87238/1-A

Matrix: Solid

Analysis Batch: 87227

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87238

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1019     |               | mg/Kg |   | 102  | 70 - 130    |
| Toluene             | 0.100       | 0.09486    |               | mg/Kg |   | 95   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.08019    |               | mg/Kg |   | 80   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1865     |               | mg/Kg |   | 93   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-87238/1-A

Matrix: Solid

Analysis Batch: 87227

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87238

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| o-Xylene | 0.100       | 0.1068     |               | mg/Kg |   | 107  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 89            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 107           |               | 70 - 130 |

Lab Sample ID: LCSD 880-87238/2-A

Matrix: Solid

Analysis Batch: 87227

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87238

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.1138      |                | mg/Kg |   | 114  | 70 - 130    | 11  | 35        |
| Toluene             | 0.100       | 0.1011      |                | mg/Kg |   | 101  | 70 - 130    | 6   | 35        |
| Ethylbenzene        | 0.100       | 0.1105      |                | mg/Kg |   | 111  | 70 - 130    | 32  | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.2014      |                | mg/Kg |   | 101  | 70 - 130    | 8   | 35        |
| o-Xylene            | 0.100       | 0.1124      |                | mg/Kg |   | 112  | 70 - 130    | 5   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 94             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106            |                | 70 - 130 |

Lab Sample ID: 880-46749-21 MS

Matrix: Solid

Analysis Batch: 87227

Client Sample ID: CSW-04-0-3-20240731

Prep Type: Total/NA

Prep Batch: 87238

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | <0.00141      | U                | 0.100       | 0.09160   |              | mg/Kg |   | 92   | 70 - 130    |
| Toluene             | <0.00202      | U                | 0.100       | 0.09783   |              | mg/Kg |   | 98   | 70 - 130    |
| Ethylbenzene        | <0.00110      | U                | 0.100       | 0.08489   |              | mg/Kg |   | 85   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00231      | U                | 0.200       | 0.1777    |              | mg/Kg |   | 89   | 70 - 130    |
| o-Xylene            | <0.00160      | U                | 0.100       | 0.1134    |              | mg/Kg |   | 113  | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 99           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 96           |              | 70 - 130 |

Lab Sample ID: 880-46749-21 MSD

Matrix: Solid

Analysis Batch: 87227

Client Sample ID: CSW-04-0-3-20240731

Prep Type: Total/NA

Prep Batch: 87238

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00141      | U                | 0.100       | 0.1116     |               | mg/Kg |   | 112  | 70 - 130    | 20  | 35        |
| Toluene             | <0.00202      | U                | 0.100       | 0.09949    |               | mg/Kg |   | 99   | 70 - 130    | 2   | 35        |
| Ethylbenzene        | <0.00110      | U                | 0.100       | 0.1044     |               | mg/Kg |   | 104  | 70 - 130    | 21  | 35        |
| m-Xylene & p-Xylene | <0.00231      | U                | 0.200       | 0.2263     |               | mg/Kg |   | 113  | 70 - 130    | 24  | 35        |
| o-Xylene            | <0.00160      | U                | 0.100       | 0.1257     |               | mg/Kg |   | 126  | 70 - 130    | 10  | 35        |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-46749-21 MSD

Matrix: Solid

Analysis Batch: 87227

Client Sample ID: CSW-04-0-3-20240731

Prep Type: Total/NA

Prep Batch: 87238

| Surrogate                   | MSD MSD   |           | Limits   |
|-----------------------------|-----------|-----------|----------|
|                             | %Recovery | Qualifier |          |
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-87225/1-A

Matrix: Solid

Analysis Batch: 87292

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87225

| Analyte                              | MB        | MB        | RL       | MDL            | Unit  | D              | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|----------------|-------|----------------|----------------|----------------|---------|
|                                      | Result    | Qualifier |          |                |       |                |                |                |         |
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5           | mg/Kg |                | 08/01/24 07:20 | 08/02/24 09:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 50.0     | 15.1           | mg/Kg |                | 08/01/24 07:20 | 08/02/24 09:45 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 50.0     | 15.1           | mg/Kg |                | 08/01/24 07:20 | 08/02/24 09:45 | 1       |
| Surrogate                            | MB        | MB        | Limits   | Prepared       |       | Analyzed       | Dil Fac        |                |         |
|                                      | %Recovery | Qualifier |          |                |       |                |                |                |         |
| 1-Chlorooctane                       | 84        |           | 70 - 130 | 08/01/24 07:20 |       | 08/02/24 09:45 | 1              |                |         |
| o-Terphenyl                          | 86        |           | 70 - 130 | 08/01/24 07:20 |       | 08/02/24 09:45 | 1              |                |         |

Lab Sample ID: LCS 880-87225/2-A

Matrix: Solid

Analysis Batch: 87292

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87225

| Analyte                              |           |           | Spike    | LCS    | LCS       | Unit  | D | %Rec   | %Rec |          |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|--------|------|----------|--|
|                                      |           |           | Added    | Result | Qualifier |       |   | Limits |      |          |  |
| Gasoline Range Organics (GRO)-C6-C10 |           |           | 1000     | 974.5  |           | mg/Kg |   | 97     |      | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) |           |           | 1000     | 977.6  |           | mg/Kg |   | 98     |      | 70 - 130 |  |
| Surrogate                            | LCS       |           | Limits   |        |           |       |   |        |      |          |  |
|                                      | %Recovery | Qualifier |          |        |           |       |   |        |      |          |  |
| 1-Chlorooctane                       | 99        |           | 70 - 130 |        |           |       |   |        |      |          |  |
| o-Terphenyl                          | 109       |           | 70 - 130 |        |           |       |   |        |      |          |  |

Lab Sample ID: LCSD 880-87225/3-A

Matrix: Solid

Analysis Batch: 87292

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87225

| Analyte                              |  |  | Spike | LCSD   | LCSD      | Unit  | D | %Rec | %Rec     | RPD | RPD   |
|--------------------------------------|--|--|-------|--------|-----------|-------|---|------|----------|-----|-------|
|                                      |  |  | Added | Result | Qualifier |       |   |      | Limits   |     | Limit |
| Gasoline Range Organics (GRO)-C6-C10 |  |  | 1000  | 983.7  |           | mg/Kg |   | 98   | 70 - 130 | 1   | 20    |
| Diesel Range Organics (Over C10-C28) |  |  | 1000  | 977.0  |           | mg/Kg |   | 98   | 70 - 130 | 0   | 20    |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |
|                                      |  |  |       |        |           |       |   |      |          |     |       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-46579-A-1-T MS

Matrix: Solid

Analysis Batch: 87292

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 87225

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 42.6          | J                | 999         | 1093      |              | mg/Kg |   | 105  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 867           |                  | 999         | 1842      |              | mg/Kg |   | 98   | 70 - 130    |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |
| 1-Chlorooctane                       | 116           |                  | 70 - 130    |           |              |       |   |      |             |
| o-Terphenyl                          | 138           | S1+              | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 880-46579-A-1-U MSD

Matrix: Solid

Analysis Batch: 87292

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 87225

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 42.6          | J                | 999         | 1115       |               | mg/Kg |   | 107  | 70 - 130    | 2   | 20        |
| Diesel Range Organics (Over C10-C28) | 867           |                  | 999         | 1864       |               | mg/Kg |   | 100  | 70 - 130    | 1   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 117           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 142           | S1+              | 70 - 130    |            |               |       |   |      |             |     |           |

Lab Sample ID: MB 880-87231/1-A

Matrix: Solid

Analysis Batch: 87290

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87231

| Analyte                              | MB Result    | MB Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5        | U            | 50.0     | 14.5 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 10:14 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1        | U            | 50.0     | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 10:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1        | U            | 50.0     | 15.1 | mg/Kg |   | 08/01/24 08:22 | 08/01/24 10:14 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 269          | S1+          | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 10:14 | 1       |
| o-Terphenyl                          | 249          | S1+          | 70 - 130 |      |       |   | 08/01/24 08:22 | 08/01/24 10:14 | 1       |

Lab Sample ID: LCS 880-87231/2-A

Matrix: Solid

Analysis Batch: 87290

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87231

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1421       | *+            | mg/Kg |   | 142  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1213       |               | mg/Kg |   | 121  | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-87231/2-A

Matrix: Solid

Analysis Batch: 87290

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87231

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 118       |           | 70 - 130 |
| o-Terphenyl    | 114       |           | 70 - 130 |

Lab Sample ID: LCSD 880-87231/3-A

Matrix: Solid

Analysis Batch: 87290

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87231

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1468        | *+             | mg/Kg |   | 147  | 70 - 130    | 3   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1267        |                | mg/Kg |   | 127  | 70 - 130    | 4   | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 123       |           | 70 - 130 |
| o-Terphenyl    | 120       |           | 70 - 130 |

Lab Sample ID: 880-46749-1 MS

Matrix: Solid

Analysis Batch: 87290

Client Sample ID: CSB-048-3.0-20240731

Prep Type: Total/NA

Prep Batch: 87231

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U *+             | 997         | 878.4     |              | mg/Kg |   | 88   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <15.1         | U                | 997         | 785.5     |              | mg/Kg |   | 79   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 83        |           | 70 - 130 |
| o-Terphenyl    | 78        |           | 70 - 130 |

Lab Sample ID: 880-46749-1 MSD

Matrix: Solid

Analysis Batch: 87290

Client Sample ID: CSB-048-3.0-20240731

Prep Type: Total/NA

Prep Batch: 87231

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U *+             | 997         | 877.9      |               | mg/Kg |   | 88   | 70 - 130    | 0   | 20        |
| Diesel Range Organics (Over C10-C28) | <15.1         | U                | 997         | 773.2      |               | mg/Kg |   | 78   | 70 - 130    | 2   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 84        |           | 70 - 130 |
| o-Terphenyl    | 76        |           | 70 - 130 |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

## GC VOA

## Analysis Batch: 87227

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46749-21       | CSW-04-0-3-20240731    | Total/NA  | Solid  | 8021B  | 87238      |
| MB 880-87238/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 87238      |
| LCS 880-87238/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 87238      |
| LCSD 880-87238/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 87238      |
| 880-46749-21 MS    | CSW-04-0-3-20240731    | Total/NA  | Solid  | 8021B  | 87238      |
| 880-46749-21 MSD   | CSW-04-0-3-20240731    | Total/NA  | Solid  | 8021B  | 87238      |

## Analysis Batch: 87234

| Lab Sample ID      | Client Sample ID         | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------------|-----------|--------|--------|------------|
| 880-46749-1        | CSB-048-3.0-20240731     | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-2        | CSB-049-3.0-20240731     | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-3        | CSB-058-3.0-20240731     | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-4        | CSB-059-3.0-20240731     | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-5        | CSB-058-DUP-3.0-20240731 | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-6        | CSW-06-0-2-20240731      | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-7        | CSW-07-0-2-20240731      | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-8        | CSW-05-0-2-20240731      | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-9        | CSB-110-3.0-20240731     | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-11       | CSB-086-3.0-20240731     | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-12       | CSB-095-3.0-20240731     | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-15       | CSB-068-3.0-20240731     | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-16       | CSB-069-3.0-20240731     | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-17       | CSB-077-3.0-20240731     | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-18       | CSW-02-03-20240731       | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-19       | CSB-087-3.0-20240731     | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-20       | CSW-03-0-3-20240731      | Total/NA  | Solid  | 8021B  | 87235      |
| MB 880-87235/5-A   | Method Blank             | Total/NA  | Solid  | 8021B  | 87235      |
| LCS 880-87235/1-A  | Lab Control Sample       | Total/NA  | Solid  | 8021B  | 87235      |
| LCSD 880-87235/2-A | Lab Control Sample Dup   | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-1 MS     | CSB-048-3.0-20240731     | Total/NA  | Solid  | 8021B  | 87235      |
| 880-46749-1 MSD    | CSB-048-3.0-20240731     | Total/NA  | Solid  | 8021B  | 87235      |

## Prep Batch: 87235

| Lab Sample ID | Client Sample ID         | Prep Type | Matrix | Method | Prep Batch |
|---------------|--------------------------|-----------|--------|--------|------------|
| 880-46749-1   | CSB-048-3.0-20240731     | Total/NA  | Solid  | 5035   |            |
| 880-46749-2   | CSB-049-3.0-20240731     | Total/NA  | Solid  | 5035   |            |
| 880-46749-3   | CSB-058-3.0-20240731     | Total/NA  | Solid  | 5035   |            |
| 880-46749-4   | CSB-059-3.0-20240731     | Total/NA  | Solid  | 5035   |            |
| 880-46749-5   | CSB-058-DUP-3.0-20240731 | Total/NA  | Solid  | 5035   |            |
| 880-46749-6   | CSW-06-0-2-20240731      | Total/NA  | Solid  | 5035   |            |
| 880-46749-7   | CSW-07-0-2-20240731      | Total/NA  | Solid  | 5035   |            |
| 880-46749-8   | CSW-05-0-2-20240731      | Total/NA  | Solid  | 5035   |            |
| 880-46749-9   | CSB-110-3.0-20240731     | Total/NA  | Solid  | 5035   |            |
| 880-46749-11  | CSB-086-3.0-20240731     | Total/NA  | Solid  | 5035   |            |
| 880-46749-12  | CSB-095-3.0-20240731     | Total/NA  | Solid  | 5035   |            |
| 880-46749-15  | CSB-068-3.0-20240731     | Total/NA  | Solid  | 5035   |            |
| 880-46749-16  | CSB-069-3.0-20240731     | Total/NA  | Solid  | 5035   |            |
| 880-46749-17  | CSB-077-3.0-20240731     | Total/NA  | Solid  | 5035   |            |
| 880-46749-18  | CSW-02-03-20240731       | Total/NA  | Solid  | 5035   |            |
| 880-46749-19  | CSB-087-3.0-20240731     | Total/NA  | Solid  | 5035   |            |
| 880-46749-20  | CSW-03-0-3-20240731      | Total/NA  | Solid  | 5035   |            |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

## GC VOA (Continued)

## Prep Batch: 87235 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| MB 880-87235/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-87235/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-87235/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-46749-1 MS     | CSB-048-3.0-20240731   | Total/NA  | Solid  | 5035   |            |
| 880-46749-1 MSD    | CSB-048-3.0-20240731   | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 87238

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46749-21       | CSW-04-0-3-20240731    | Total/NA  | Solid  | 5035   |            |
| MB 880-87238/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-87238/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-87238/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-46749-21 MS    | CSW-04-0-3-20240731    | Total/NA  | Solid  | 5035   |            |
| 880-46749-21 MSD   | CSW-04-0-3-20240731    | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 87323

| Lab Sample ID | Client Sample ID         | Prep Type | Matrix | Method     | Prep Batch |
|---------------|--------------------------|-----------|--------|------------|------------|
| 880-46749-1   | CSB-048-3.0-20240731     | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-2   | CSB-049-3.0-20240731     | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-3   | CSB-058-3.0-20240731     | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-4   | CSB-059-3.0-20240731     | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-5   | CSB-058-DUP-3.0-20240731 | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-6   | CSW-06-0-2-20240731      | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-7   | CSW-07-0-2-20240731      | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-8   | CSW-05-0-2-20240731      | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-9   | CSB-110-3.0-20240731     | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-11  | CSB-086-3.0-20240731     | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-12  | CSB-095-3.0-20240731     | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-15  | CSB-068-3.0-20240731     | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-16  | CSB-069-3.0-20240731     | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-17  | CSB-077-3.0-20240731     | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-18  | CSW-02-03-20240731       | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-19  | CSB-087-3.0-20240731     | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-20  | CSW-03-0-3-20240731      | Total/NA  | Solid  | Total BTEX |            |
| 880-46749-21  | CSW-04-0-3-20240731      | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 87225

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-46749-21        | CSW-04-0-3-20240731    | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-87225/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-87225/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-87225/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46579-A-1-T MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46579-A-1-U MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 87231

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method      | Prep Batch |
|---------------|----------------------|-----------|--------|-------------|------------|
| 880-46749-1   | CSB-048-3.0-20240731 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-2   | CSB-049-3.0-20240731 | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

## GC Semi VOA (Continued)

## Prep Batch: 87231 (Continued)

| Lab Sample ID      | Client Sample ID         | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|--------------------------|-----------|--------|-------------|------------|
| 880-46749-3        | CSB-058-3.0-20240731     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-4        | CSB-059-3.0-20240731     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-5        | CSB-058-DUP-3.0-20240731 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-6        | CSW-06-0-2-20240731      | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-7        | CSW-07-0-2-20240731      | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-8        | CSW-05-0-2-20240731      | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-9        | CSB-110-3.0-20240731     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-11       | CSB-086-3.0-20240731     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-12       | CSB-095-3.0-20240731     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-15       | CSB-068-3.0-20240731     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-16       | CSB-069-3.0-20240731     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-17       | CSB-077-3.0-20240731     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-18       | CSW-02-03-20240731       | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-19       | CSB-087-3.0-20240731     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-20       | CSW-03-0-3-20240731      | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-87231/1-A   | Method Blank             | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-87231/2-A  | Lab Control Sample       | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-87231/3-A | Lab Control Sample Dup   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-1 MS     | CSB-048-3.0-20240731     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46749-1 MSD    | CSB-048-3.0-20240731     | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 87290

| Lab Sample ID      | Client Sample ID         | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|--------------------------|-----------|--------|----------|------------|
| 880-46749-1        | CSB-048-3.0-20240731     | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-2        | CSB-049-3.0-20240731     | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-3        | CSB-058-3.0-20240731     | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-4        | CSB-059-3.0-20240731     | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-5        | CSB-058-DUP-3.0-20240731 | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-6        | CSW-06-0-2-20240731      | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-7        | CSW-07-0-2-20240731      | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-8        | CSW-05-0-2-20240731      | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-9        | CSB-110-3.0-20240731     | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-11       | CSB-086-3.0-20240731     | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-12       | CSB-095-3.0-20240731     | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-15       | CSB-068-3.0-20240731     | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-16       | CSB-069-3.0-20240731     | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-17       | CSB-077-3.0-20240731     | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-18       | CSW-02-03-20240731       | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-19       | CSB-087-3.0-20240731     | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-20       | CSW-03-0-3-20240731      | Total/NA  | Solid  | 8015B NM | 87231      |
| MB 880-87231/1-A   | Method Blank             | Total/NA  | Solid  | 8015B NM | 87231      |
| LCS 880-87231/2-A  | Lab Control Sample       | Total/NA  | Solid  | 8015B NM | 87231      |
| LCSD 880-87231/3-A | Lab Control Sample Dup   | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-1 MS     | CSB-048-3.0-20240731     | Total/NA  | Solid  | 8015B NM | 87231      |
| 880-46749-1 MSD    | CSB-048-3.0-20240731     | Total/NA  | Solid  | 8015B NM | 87231      |

## Analysis Batch: 87292

| Lab Sample ID     | Client Sample ID    | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|---------------------|-----------|--------|----------|------------|
| 880-46749-21      | CSW-04-0-3-20240731 | Total/NA  | Solid  | 8015B NM | 87225      |
| MB 880-87225/1-A  | Method Blank        | Total/NA  | Solid  | 8015B NM | 87225      |
| LCS 880-87225/2-A | Lab Control Sample  | Total/NA  | Solid  | 8015B NM | 87225      |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

## GC Semi VOA (Continued)

## Analysis Batch: 87292 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| LCSD 880-87225/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 87225      |
| 880-46579-A-1-T MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 87225      |
| 880-46579-A-1-U MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 87225      |

## Analysis Batch: 87394

| Lab Sample ID | Client Sample ID         | Prep Type | Matrix | Method  | Prep Batch |
|---------------|--------------------------|-----------|--------|---------|------------|
| 880-46749-1   | CSB-048-3.0-20240731     | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-2   | CSB-049-3.0-20240731     | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-3   | CSB-058-3.0-20240731     | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-4   | CSB-059-3.0-20240731     | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-5   | CSB-058-DUP-3.0-20240731 | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-6   | CSW-06-0-2-20240731      | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-7   | CSW-07-0-2-20240731      | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-8   | CSW-05-0-2-20240731      | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-9   | CSB-110-3.0-20240731     | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-11  | CSB-086-3.0-20240731     | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-12  | CSB-095-3.0-20240731     | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-15  | CSB-068-3.0-20240731     | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-16  | CSB-069-3.0-20240731     | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-17  | CSB-077-3.0-20240731     | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-18  | CSW-02-03-20240731       | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-19  | CSB-087-3.0-20240731     | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-20  | CSW-03-0-3-20240731      | Total/NA  | Solid  | 8015 NM |            |
| 880-46749-21  | CSW-04-0-3-20240731      | Total/NA  | Solid  | 8015 NM |            |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSB-048-3.0-20240731

Lab Sample ID: 880-46749-1

Date Collected: 07/31/24 09:20

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 11:50       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 11:50       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 14:46       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 14:46       | TKC     | EET MID |

Client Sample ID: CSB-049-3.0-20240731

Lab Sample ID: 880-46749-2

Date Collected: 07/31/24 09:30

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 12:10       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 12:10       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 15:42       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.07 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 15:42       | TKC     | EET MID |

Client Sample ID: CSB-058-3.0-20240731

Lab Sample ID: 880-46749-3

Date Collected: 07/31/24 09:40

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 12:31       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 12:31       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 16:00       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 16:00       | TKC     | EET MID |

Client Sample ID: CSB-059-3.0-20240731

Lab Sample ID: 880-46749-4

Date Collected: 07/31/24 09:50

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 12:51       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 12:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 16:18       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 16:18       | TKC     | EET MID |

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Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSB-058-DUP-3.0-20240731  
Date Collected: 07/31/24 00:00  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 13:12       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 13:12       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 16:36       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 16:36       | TKC     | EET MID |

Client Sample ID: CSW-06-0-2-20240731  
Date Collected: 07/31/24 14:05  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-6  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 13:32       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 13:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 16:54       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 16:54       | TKC     | EET MID |

Client Sample ID: CSW-07-0-2-20240731  
Date Collected: 07/31/24 13:55  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-7  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 13:53       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 13:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 17:13       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 17:13       | TKC     | EET MID |

Client Sample ID: CSW-05-0-2-20240731  
Date Collected: 07/31/24 14:15  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-8  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 14:13       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 14:13       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 17:31       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 17:31       | TKC     | EET MID |

Eurofins Midland



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSB-110-3.0-20240731

Lab Sample ID: 880-46749-9

Date Collected: 07/31/24 14:25

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 14:34       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 14:34       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 17:49       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.09 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 17:49       | TKC     | EET MID |

Client Sample ID: CSB-086-3.0-20240731

Lab Sample ID: 880-46749-11

Date Collected: 07/31/24 11:00

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 16:28       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 16:28       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 18:44       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 18:44       | TKC     | EET MID |

Client Sample ID: CSB-095-3.0-20240731

Lab Sample ID: 880-46749-12

Date Collected: 07/31/24 11:20

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.7 g          | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 16:49       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 16:49       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 19:02       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 19:02       | TKC     | EET MID |

Client Sample ID: CSB-068-3.0-20240731

Lab Sample ID: 880-46749-15

Date Collected: 07/31/24 15:30

Matrix: Solid

Date Received: 08/01/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.12 g         | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 17:50       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 17:50       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 19:57       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 19:57       | TKC     | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSB-069-3.0-20240731  
Date Collected: 07/31/24 15:40  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-16  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.76 g         | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 18:11       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 18:11       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 20:15       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 20:15       | TKC     | EET MID |

Client Sample ID: CSB-077-3.0-20240731  
Date Collected: 07/31/24 15:50  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-17  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 18:31       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 18:31       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 20:32       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 20:32       | TKC     | EET MID |

Client Sample ID: CSW-02-03-20240731  
Date Collected: 07/31/24 16:30  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-18  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 18:52       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 18:52       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 20:49       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 20:49       | TKC     | EET MID |

Client Sample ID: CSB-087-3.0-20240731  
Date Collected: 07/31/24 16:20  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-19  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 19:12       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 19:12       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 21:06       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 21:06       | TKC     | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Client Sample ID: CSW-03-0-3-20240731  
Date Collected: 07/31/24 16:40  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-20  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 87235        | 08/01/24 08:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87234        | 08/01/24 19:33       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 19:33       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/01/24 21:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 87231        | 08/01/24 08:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87290        | 08/01/24 21:22       | TKC     | EET MID |

Client Sample ID: CSW-04-0-3-20240731  
Date Collected: 07/31/24 16:50  
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-21  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 87238        | 08/01/24 08:47       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87227        | 08/01/24 12:07       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87323        | 08/01/24 12:07       | MNR     | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87394        | 08/02/24 21:39       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 87225        | 08/01/24 07:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87292        | 08/02/24 21:39       | TKC     | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |



Method Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

| Method      | Method Description               | Protocol | Laboratory |
|-------------|----------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)  | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation           | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 5035        | Closed System Purge and Trap     | SW846    | EET MID    |
| 8015NM Prep | Microextraction                  | SW846    | EET MID    |

**Protocol References:**  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46749-2  
SDG: Loving NM

| Lab Sample ID | Client Sample ID         | Matrix | Collected      | Received       |
|---------------|--------------------------|--------|----------------|----------------|
| 880-46749-1   | CSB-048-3.0-20240731     | Solid  | 07/31/24 09:20 | 08/01/24 08:00 |
| 880-46749-2   | CSB-049-3.0-20240731     | Solid  | 07/31/24 09:30 | 08/01/24 08:00 |
| 880-46749-3   | CSB-058-3.0-20240731     | Solid  | 07/31/24 09:40 | 08/01/24 08:00 |
| 880-46749-4   | CSB-059-3.0-20240731     | Solid  | 07/31/24 09:50 | 08/01/24 08:00 |
| 880-46749-5   | CSB-058-DUP-3.0-20240731 | Solid  | 07/31/24 00:00 | 08/01/24 08:00 |
| 880-46749-6   | CSW-06-0-2-20240731      | Solid  | 07/31/24 14:05 | 08/01/24 08:00 |
| 880-46749-7   | CSW-07-0-2-20240731      | Solid  | 07/31/24 13:55 | 08/01/24 08:00 |
| 880-46749-8   | CSW-05-0-2-20240731      | Solid  | 07/31/24 14:15 | 08/01/24 08:00 |
| 880-46749-9   | CSB-110-3.0-20240731     | Solid  | 07/31/24 14:25 | 08/01/24 08:00 |
| 880-46749-11  | CSB-086-3.0-20240731     | Solid  | 07/31/24 11:00 | 08/01/24 08:00 |
| 880-46749-12  | CSB-095-3.0-20240731     | Solid  | 07/31/24 11:20 | 08/01/24 08:00 |
| 880-46749-15  | CSB-068-3.0-20240731     | Solid  | 07/31/24 15:30 | 08/01/24 08:00 |
| 880-46749-16  | CSB-069-3.0-20240731     | Solid  | 07/31/24 15:40 | 08/01/24 08:00 |
| 880-46749-17  | CSB-077-3.0-20240731     | Solid  | 07/31/24 15:50 | 08/01/24 08:00 |
| 880-46749-18  | CSW-02-03-20240731       | Solid  | 07/31/24 16:30 | 08/01/24 08:00 |
| 880-46749-19  | CSB-087-3.0-20240731     | Solid  | 07/31/24 16:20 | 08/01/24 08:00 |
| 880-46749-20  | CSW-03-0-3-20240731      | Solid  | 07/31/24 16:40 | 08/01/24 08:00 |
| 880-46749-21  | CSW-04-0-3-20240731      | Solid  | 07/31/24 16:50 | 08/01/24 08:00 |





Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3189  
Little Rock, AR (501) 224-5080

Work Order no. \_\_\_\_\_



880-46749 Chain of Custody

Page 14 of 3

|                  |                          |                         |                         |
|------------------|--------------------------|-------------------------|-------------------------|
| Project Manager: | Brad Wynne               | Bill to: (if different) |                         |
| Company Name:    | AECOM                    | Company Name:           |                         |
| Address:         | 13355 Noel Rd. Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas, TX 75240         | City, State ZIP:        |                         |
| Phone:           | 214-971-1829             | Email:                  | Bradley.Wynne@AECOM.com |

|                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                              |  |
| Program: UST/PT <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>       |  |
| State of Project: NM                                                                                                                                                             |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

|                          |                                                                     |                                                                           |           |                                                                   |                            |
|--------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------|-----------|-------------------------------------------------------------------|----------------------------|
| Project Name:            | Amox CTB                                                            | Turn Around                                                               |           | Preservative Codes                                                |                            |
| Project Number:          | 60734207                                                            | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |           | None: NO                                                          | DI Water: H <sub>2</sub> O |
| Project Location:        | Lovins, NM                                                          | Due Date:                                                                 | 24 hr     | Cool: Cool                                                        | MeOH: Me                   |
| Sampler's Name:          | Tracy,                                                              | TAT starts the day received by the lab, if received by 4:30pm             |           | HCL: HC                                                           | HNO <sub>3</sub>           |
| PO #:                    |                                                                     |                                                                           |           | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| SAMPLE RECEIPT           | Temp Blank:                                                         | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>       | Well Ice: | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
| Samples Received Intact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID:                                                           |           | NaHSO <sub>4</sub> : NABIS                                        |                            |
| Cooler Custody Seals:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Correction Factor:                                                        |           | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
| Sample Custody Seals:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Temperature Reading:                                                      | 3.6       | Zn Acetate+NaOH: Zn                                               |                            |
| Total Containers:        |                                                                     | Corrected Temperature:                                                    | 3.5       | NaOH+Ascorbic Acid: SAPC                                          |                            |

| Sample Identification    | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | ANALYSIS REQUEST |   |   |   |   |   |   |   |   |   |   |   |   | Sample Comments |
|--------------------------|--------|--------------|--------------|-------|-----------|-----------|------------------|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| CSB-04B-3.0-20240731     | 5.1    | 7/31/24      | 0920         | 3.0   | C         | 1         | X                | X | X | X | X | X | X | X | X | X | X | X | X |                 |
| CSB-049-3.0-20240731     | 5.1    | 7/31/24      | 0930         | 3.0   | C         | 1         | X                | X | X | X | X | X | X | X | X | X | X | X | X |                 |
| CSB-056-3.0-20240731     | 5.1    | 7/31/24      | 0940         | 3.0   | C         | 1         | X                | X | X | X | X | X | X | X | X | X | X | X | X |                 |
| CSB-059-3.0-20240731     | 5.1    | 7/31/24      | 0950         | 3.0   | C         | 1         | X                | X | X | X | X | X | X | X | X | X | X | X | X |                 |
| CSB-058-Dup-3.0-20240731 | 5.1    | 7/31/24      | —            | 3.0   | C         | 1         | X                | X | X | X | X | X | X | X | X | X | X | X | X |                 |
| CSB-06-0-2-20240731      | 5.01   | 7/31/24      | 1405         | 0-2   | C         | 1         | X                | X | X | X | X | X | X | X | X | X | X | X | X |                 |
| CSB-07-0-2-20240731      | 5.01   | 7/31/24      | 1355         | 0-2   | C         | 1         | X                | X | X | X | X | X | X | X | X | X | X | X | X |                 |
| CSB-08-0-2-20240731      | 5.01   | 7/31/24      | 1415         | 0-2   | C         | 1         | X                | X | X | X | X | X | X | X | X | X | X | X | X |                 |
| CSB-10-2-0-20240731      | 5.01   | 7/31/24      | 1435         | 2.0   | C         | 1         | X                | X | X | X | X | X | X | X | X | X | X | X | X |                 |
| CSB-091-4.0-20240731     | 5.1    | 7/31/24      | 1445         | 4.0   | C         | 1         | X                | X | X | X | X | X | X | X | X | X | X | X | X |                 |

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of analysis and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |              |                              |                          |           |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| 1 <i>[Signature]</i>         | <i>[Signature]</i>       | 7/31/24 1602 | <i>[Signature]</i>           | <i>[Signature]</i>       | 7/31/24   |
| 3 <i>[Signature]</i>         | <i>[Signature]</i>       |              | <i>[Signature]</i>           | <i>[Signature]</i>       | 8/1/24    |
| 5                            |                          |              |                              |                          | 8/1/24    |





## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-0680

## Chain of Custody

**Work Order No.:**

Page 2 of 3

|                          |  |                          |  |                                                                           |  |                         |  |
|--------------------------|--|--------------------------|--|---------------------------------------------------------------------------|--|-------------------------|--|
| Project Manager:         |  | Brad Wynne               |  | Bill to: (if different)                                                   |  |                         |  |
| Company Name:            |  | AECOM                    |  | Company Name:                                                             |  |                         |  |
| Address:                 |  | 13355 Abel Rd. Suite 400 |  | Address:                                                                  |  |                         |  |
| City, State ZIP:         |  | Dallas, TX 75240         |  | City, State ZIP:                                                          |  |                         |  |
| Phone:                   |  | 214-971-1829             |  | Email:                                                                    |  | Bradley.Wynne@AECOM.com |  |
| Project Name:            |  | Amoco CTB                |  | Turn Around                                                               |  |                         |  |
| Project Number:          |  | 60734207                 |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  | Pres. Code              |  |
| Project Location:        |  | Loving, NM               |  | Due Date:                                                                 |  | 24 hr                   |  |
| Sampler's Name:          |  | T. Landry, M. Culver     |  | TAT starts the day received by the lab, if received by 4:30pm             |  |                         |  |
| PO #:                    |  |                          |  |                                                                           |  |                         |  |
| SAMPLE RECEIPT           |  | Temp Blank:              |  | Yes No                                                                    |  | Wet Ice: Yes No         |  |
| Samples Received Intact: |  | Yes No                   |  | Thermometer ID:                                                           |  |                         |  |
| Cooler Custody Seals:    |  | Yes No N/A               |  | Correction Factor:                                                        |  |                         |  |
| Sample Custody Seals:    |  | Yes No N/A               |  | Temperature Reading:                                                      |  |                         |  |
| Total Containers:        |  |                          |  | Corrected Temperature:                                                    |  |                         |  |
| Sample Identification    |  | Matrix                   |  | Date Sampled                                                              |  | Time Sampled            |  |
| Depth                    |  | Grain/Comp               |  | # of Cont                                                                 |  |                         |  |
| Parameters               |  |                          |  |                                                                           |  |                         |  |
| Chlorides - 24 hr        |  |                          |  |                                                                           |  |                         |  |
| TPH - 3 Day              |  |                          |  |                                                                           |  |                         |  |
| BITX - 3 Day             |  |                          |  |                                                                           |  |                         |  |
| Sample Identification    |  | Matrix                   |  | Date Sampled                                                              |  | Time Sampled            |  |
| Depth                    |  | Grain/Comp               |  | # of Cont                                                                 |  |                         |  |
| Parameters               |  |                          |  |                                                                           |  |                         |  |
| Chlorides - 24 hr        |  |                          |  |                                                                           |  |                         |  |
| TPH - 3 Day              |  |                          |  |                                                                           |  |                         |  |
| BITX - 3 Day             |  |                          |  |                                                                           |  |                         |  |
| Sample Identification    |  | Matrix                   |  | Date Sampled                                                              |  | Time Sampled            |  |
| Depth                    |  | Grain/Comp               |  | # of Cont                                                                 |  |                         |  |
| Parameters               |  |                          |  |                                                                           |  |                         |  |
| Chlorides - 24 hr        |  |                          |  |                                                                           |  |                         |  |
| TPH - 3 Day              |  |                          |  |                                                                           |  |                         |  |
| BITX - 3 Day             |  |                          |  |                                                                           |  |                         |  |
| Sample Identification    |  | Matrix                   |  | Date Sampled                                                              |  | Time Sampled            |  |
| Depth                    |  | Grain/Comp               |  | # of Cont                                                                 |  |                         |  |
| Parameters               |  |                          |  |                                                                           |  |                         |  |
| Chlorides - 24 hr        |  |                          |  |                                                                           |  |                         |  |
| TPH - 3 Day              |  |                          |  |                                                                           |  |                         |  |
| BITX - 3 Day             |  |                          |  |                                                                           |  |                         |  |
| Sample Identification    |  | Matrix                   |  | Date Sampled                                                              |  | Time Sampled            |  |
| Depth                    |  | Grain/Comp               |  | # of Cont                                                                 |  |                         |  |
| Parameters               |  |                          |  |                                                                           |  |                         |  |
| Chlorides - 24 hr        |  |                          |  |                                                                           |  |                         |  |
| TPH - 3 Day              |  |                          |  |                                                                           |  |                         |  |
| BITX - 3 Day             |  |                          |  |                                                                           |  |                         |  |
| Sample Identification    |  | Matrix                   |  | Date Sampled                                                              |  | Time Sampled            |  |
| Depth                    |  | Grain/Comp               |  | # of Cont                                                                 |  |                         |  |
| Parameters               |  |                          |  |                                                                           |  |                         |  |
| Chlorides - 24 hr        |  |                          |  |                                                                           |  |                         |  |
| TPH - 3 Day              |  |                          |  |                                                                           |  |                         |  |
| BITX - 3 Day             |  |                          |  |                                                                           |  |                         |  |
| Sample Identification    |  | Matrix                   |  | Date Sampled                                                              |  | Time Sampled            |  |
| Depth                    |  | Grain/Comp               |  | # of Cont                                                                 |  |                         |  |
| Parameters               |  |                          |  |                                                                           |  |                         |  |
| Chlorides - 24 hr        |  |                          |  |                                                                           |  |                         |  |
| TPH - 3 Day              |  |                          |  |                                                                           |  |                         |  |
| BITX - 3 Day             |  |                          |  |                                                                           |  |                         |  |
| Sample Identification    |  | Matrix                   |  | Date Sampled                                                              |  | Time Sampled            |  |
| Depth                    |  | Grain/Comp               |  | # of Cont                                                                 |  |                         |  |
| Parameters               |  |                          |  |                                                                           |  |                         |  |
| Chlorides - 24 hr        |  |                          |  |                                                                           |  |                         |  |
| TPH - 3 Day              |  |                          |  |                                                                           |  |                         |  |
| BITX - 3 Day             |  |                          |  |                                                                           |  |                         |  |
| Sample Identification    |  | Matrix                   |  | Date Sampled                                                              |  | Time Sampled            |  |
| Depth                    |  | Grain/Comp               |  | # of Cont                                                                 |  |                         |  |
| Parameters               |  |                          |  |                                                                           |  |                         |  |
| Chlorides - 24 hr        |  |                          |  |                                                                           |  |                         |  |
| TPH - 3 Day              |  |                          |  |                                                                           |  |                         |  |
| BITX - 3 Day             |  |                          |  |                                                                           |  |                         |  |
| Sample Identification    |  | Matrix                   |  | Date Sampled                                                              |  | Time Sampled            |  |
| Depth                    |  | Grain/Comp               |  | # of Cont                                                                 |  |                         |  |
| Parameters               |  |                          |  |                                                                           |  |                         |  |
| Chlorides - 24 hr        |  |                          |  |                                                                           |  |                         |  |
| TPH - 3 Day              |  |                          |  |                                                                           |  |                         |  |
| BITX - 3 Day             |  |                          |  |                                                                           |  |                         |  |
| Sample Identification    |  | Matrix                   |  | Date Sampled                                                              |  | Time Sampled            |  |
| Depth                    |  | Grain/Comp               |  | # of Cont                                                                 |  |                         |  |
| Parameters               |  |                          |  |                                                                           |  |                         |  |
| Chlorides - 24 hr        |  |                          |  |                                                                           |  |                         |  |
| TPH - 3 Day              |  |                          |  |                                                                           |  |                         |  |
| BITX - 3 Day             |  |                          |  |                                                                           |  |                         |  |
| Sample Identification    |  | Matrix                   |  | Date Sampled                                                              |  | Time Sampled            |  |
| Depth                    |  | Grain/Comp               |  | # of Cont                                                                 |  |                         |  |
| Parameters               |  |                          |  |                                                                           |  |                         |  |
| Chlorides - 24 hr        |  |                          |  |                                                                           |  |                         |  |
| TPH - 3 Day              |  |                          |  |                                                                           |  |                         |  |
| BITX - 3 Day             |  |                          |  |                                                                           |  |                         |  |
| Sample Identification    |  | Matrix                   |  | Date Sampled                                                              |  | Time Sampled            |  |
| Depth                    |  | Grain/Comp               |  | # of Cont                                                                 |  |                         |  |
| Parameters               |  |                          |  |                                                                           |  |                         |  |
| Chlorides - 24 hr        |  |                          |  |                                                                           |  |                         |  |
| TPH - 3 Day              |  |                          |  |                                                                           |  |                         |  |
| BITX - 3 Day             |  |                          |  |                                                                           |  |                         |  |
| Sample Identification    |  | Matrix                   |  | Date Sampled                                                              |  | Time Sampled            |  |
| Depth                    |  | Grain/Comp               |  | # of Cont                                                                 |  |                         |  |
| Parameters               |  |                          |  |                                                                           |  |                         |  |
| Chlorides - 24 hr        |  |                          |  |                                                                           |  |                         |  |
| TPH - 3 Day              |  |                          |  |                                                                           |  |                         |  |
| BITX - 3 Day             |  |                          |  |                                                                           |  |                         |  |





## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 802-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 898-3199  
Little Rock, AR (501) 224-5060

## Chain of Custody

**Work Order No.:**

Page 3 of 3

|                  |                       |                         |                        |
|------------------|-----------------------|-------------------------|------------------------|
| Project Manager: | Bred wyne             | Bill to: (if different) |                        |
| Company Name:    | AEcom                 | Company Name:           |                        |
| Address:         | 1355 Nod Rd suite 400 | Address:                |                        |
| City, State ZIP: | Dallas, TX 75240      | City, State ZIP:        |                        |
| Phone:           | 214-971-1829          | Email:                  | Bradley.wyne@AEcom.com |

| Work Order Comments                                                                                                                                                              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Program: UST/PST <input type="checkbox"/> RRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project: <i>NA</i>                                                                                                                                                      |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADaPT <input type="checkbox"/> Other: _____                                                                                |  |

|                          |  |                     |  |                                                                              |  |                        |  |            |  |                       |  |        |  |  |  |  |  |                                                                   |  |                            |  |
|--------------------------|--|---------------------|--|------------------------------------------------------------------------------|--|------------------------|--|------------|--|-----------------------|--|--------|--|--|--|--|--|-------------------------------------------------------------------|--|----------------------------|--|
| Project Name:            |  | Amc O CTB           |  | Turn Around                                                                  |  |                        |  | Pres. Code |  | ANALYSIS REQUEST      |  |        |  |  |  |  |  |                                                                   |  | Preservative Codes         |  |
| Project Number:          |  | 60734207            |  | <input type="checkbox"/> Routine<br><input checked="" type="checkbox"/> Rush |  |                        |  |            |  |                       |  |        |  |  |  |  |  | None: NO                                                          |  | DI Water: H <sub>2</sub> O |  |
| Project Location:        |  | Leaving, NM         |  | Due Date:                                                                    |  | 24 hr                  |  |            |  |                       |  |        |  |  |  |  |  | Cool: Cool                                                        |  | MeOH: Me                   |  |
| Sampler's Name:          |  | J. Leroy, M. Culver |  | TAT starts the day received by the lab, if received by 4:30pm                |  |                        |  |            |  |                       |  |        |  |  |  |  |  | HCL: HC                                                           |  | HNO <sub>3</sub>           |  |
| PO #:                    |  |                     |  |                                                                              |  |                        |  |            |  |                       |  |        |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |  | NaOH: Na                   |  |
| SAMPLE RECEIPT           |  | Temp Blank:         |  | Yes No                                                                       |  | Thermometer ID:        |  | Yes No     |  | Wet Ice:              |  | Yes No |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |  |                            |  |
| Samples Received Intact: |  | Yes No              |  |                                                                              |  | Correction Factor:     |  |            |  |                       |  |        |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS                                        |  |                            |  |
| Cooler Custody Seals:    |  | Yes No              |  | N/A                                                                          |  |                        |  |            |  |                       |  |        |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |                            |  |
| Sample Custody Seals:    |  | Yes No              |  | N/A                                                                          |  | Temperature Reading:   |  |            |  |                       |  |        |  |  |  |  |  | Zn Acetate+NaOH: Zn                                               |  |                            |  |
| Total Containers:        |  |                     |  |                                                                              |  | Corrected Temperature: |  |            |  |                       |  |        |  |  |  |  |  | NaOH+Ascorbic Acid: SACP                                          |  |                            |  |
| Parameters               |  |                     |  |                                                                              |  |                        |  |            |  | hlorides<br>PH<br>IEX |  |        |  |  |  |  |  |                                                                   |  |                            |  |

[illegible]

| Total                          | 200.7 / 6010 | 200.8 / 6020: |                                                                                               |
|--------------------------------|--------------|---------------|-----------------------------------------------------------------------------------------------|
| 8RCRA                          | 13PPM        | Texas 11      | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| TCLP / SPLP 6010: 8RCRA        |              |               | Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U                                                |
| Hg: 1631 / 245.1 / 7470 / 7471 |              |               |                                                                                               |

Notes: Signature of this document of relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xanaco. It assigns standard terms and conditions of Eurofins Xanaco. A minimum charge of \$85.00 will be applied to each project and a charge of \$3 for each sample submitted to Eurofins Xanaco, but not analyzed. These terms will be enforced unless previously negotiated, or waived. Eurofins Xanaco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. Eurofins Xanaco and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| <i>[Signature]</i> - AECom   |                          | 7/31/24 1:30 | 2                            | <i>[Signature]</i>       |           |
|                              |                          |              | 4                            |                          |           |
|                              |                          |              | 6                            |                          |           |
|                              |                          |              |                              |                          |           |



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46749-2

SDG Number: Loving NM

Login Number: 46749

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/6/2024 9:24:29 AM Revision 1

## JOB DESCRIPTION

Amoco Site  
Loving, NM

## JOB NUMBER

880-46792-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Generated  
8/6/2024 9:24:29 AM  
Revision 1



Client: AECOM  
Project/Site: Amoco Site

Laboratory Job ID: 880-46792-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-1  
SDG: Loving, NM

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco Site

Job ID: 880-46792-1

**Job ID: 880-46792-1**

**Eurofins Midland**

**Job Narrative  
880-46792-1**

### REVISION

The report being provided is a revision of the original report sent on 8/2/2024. The report (revision 1) is being revised due to Per client email, requesting sample ID be corrected to match COC.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### **Receipt**

The samples were received on 8/2/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C.

### **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: CSW-11-0-2-20240801 (880-46792-1), CSW-10-0-2-20240801 (880-46792-2), CSB-078-3.0-20240801 (880-46792-3), CSW-12-0-2-20240801 (880-46792-4), CSB-041-3.0-20240801 (880-46792-5) and CSB-096-3.0-20240801 (880-46792-6).

### **HPLC/IC**

Method 300\_ORGFM\_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-87338 and analytical batch 880-87346 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: CSW-12-0-2-20240801 (880-46792-4), CSB-041-3.0-20240801 (880-46792-5), CSB-096-3.0-20240801 (880-46792-6), (880-46792-A-4-C MS) and (880-46792-A-4-D MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland



## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-1  
SDG: Loving, NM

Client Sample ID: CSW-11-0-2-20240801

Lab Sample ID: 880-46792-1

Date Collected: 08/01/24 09:00

Matrix: Solid

Date Received: 08/02/24 08:00

Sample Depth: 0-2

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 426    |           | 5.04 | mg/Kg |   |          | 08/02/24 11:57 | 1       |

Client Sample ID: CSW-10-0-2-20240801

Lab Sample ID: 880-46792-2

Date Collected: 08/01/24 09:45

Matrix: Solid

Date Received: 08/02/24 08:00

Sample Depth: 0-2

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 250    |           | 5.03 | mg/Kg |   |          | 08/02/24 12:02 | 1       |

Client Sample ID: CSB-078-3.0-20240801

Lab Sample ID: 880-46792-3

Date Collected: 08/01/24 10:05

Matrix: Solid

Date Received: 08/02/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 217    |           | 4.97 | mg/Kg |   |          | 08/02/24 12:07 | 1       |

Client Sample ID: CSW-12-0-2-20240801

Lab Sample ID: 880-46792-4

Date Collected: 08/01/24 09:20

Matrix: Solid

Date Received: 08/02/24 08:00

Sample Depth: 0-2

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 286    | F1        | 4.96 | mg/Kg |   |          | 08/02/24 12:13 | 1       |

Client Sample ID: CSB-041-3.0-20240801

Lab Sample ID: 880-46792-5

Date Collected: 08/01/24 12:20

Matrix: Solid

Date Received: 08/02/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1130   |           | 5.02 | mg/Kg |   |          | 08/02/24 12:28 | 1       |

Client Sample ID: CSB-096-3.0-20240801

Lab Sample ID: 880-46792-6

Date Collected: 08/01/24 15:35

Matrix: Solid

Date Received: 08/02/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 76.4   |           | 4.98 | mg/Kg |   |          | 08/02/24 12:34 | 1       |

Eurofins Midland



## QC Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-1  
SDG: Loving, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87338/1-A

Matrix: Solid

Analysis Batch: 87346

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 | mg/Kg |   |          | 08/02/24 10:26 | 1       |

Lab Sample ID: LCS 880-87338/2-A

Matrix: Solid

Analysis Batch: 87346

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 236.7         |                  | mg/Kg |   | 95   | 90 - 110       |

Lab Sample ID: LCSD 880-87338/3-A

Matrix: Solid

Analysis Batch: 87346

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 235.3          |                   | mg/Kg |   | 94   | 90 - 110       | 1   | 20           |

Lab Sample ID: 880-46792-4 MS

Matrix: Solid

Analysis Batch: 87346

Client Sample ID: CSW-12-0-2-20240801

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 286              | F1                  | 198            | 538.4        | F1              | mg/Kg |   | 127  | 90 - 110       |

Lab Sample ID: 880-46792-4 MSD

Matrix: Solid

Analysis Batch: 87346

Client Sample ID: CSW-12-0-2-20240801

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 286              | F1                  | 198            | 539.6         | F1               | mg/Kg |   | 128  | 90 - 110       | 0   | 20           |

Eurofins Midland



QC Association Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-1  
SDG: Loving, NM

HPLC/IC

Leach Batch: 87338

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46792-1        | CSW-11-0-2-20240801    | Soluble   | Solid  | DI Leach |            |
| 880-46792-2        | CSW-10-0-2-20240801    | Soluble   | Solid  | DI Leach |            |
| 880-46792-3        | CSB-078-3.0-20240801   | Soluble   | Solid  | DI Leach |            |
| 880-46792-4        | CSW-12-0-2-20240801    | Soluble   | Solid  | DI Leach |            |
| 880-46792-5        | CSB-041-3.0-20240801   | Soluble   | Solid  | DI Leach |            |
| 880-46792-6        | CSB-096-3.0-20240801   | Soluble   | Solid  | DI Leach |            |
| MB 880-87338/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-87338/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-87338/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-46792-4 MS     | CSW-12-0-2-20240801    | Soluble   | Solid  | DI Leach |            |
| 880-46792-4 MSD    | CSW-12-0-2-20240801    | Soluble   | Solid  | DI Leach |            |

Analysis Batch: 87346

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46792-1        | CSW-11-0-2-20240801    | Soluble   | Solid  | 300.0  | 87338      |
| 880-46792-2        | CSW-10-0-2-20240801    | Soluble   | Solid  | 300.0  | 87338      |
| 880-46792-3        | CSB-078-3.0-20240801   | Soluble   | Solid  | 300.0  | 87338      |
| 880-46792-4        | CSW-12-0-2-20240801    | Soluble   | Solid  | 300.0  | 87338      |
| 880-46792-5        | CSB-041-3.0-20240801   | Soluble   | Solid  | 300.0  | 87338      |
| 880-46792-6        | CSB-096-3.0-20240801   | Soluble   | Solid  | 300.0  | 87338      |
| MB 880-87338/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 87338      |
| LCS 880-87338/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 87338      |
| LCSD 880-87338/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 87338      |
| 880-46792-4 MS     | CSW-12-0-2-20240801    | Soluble   | Solid  | 300.0  | 87338      |
| 880-46792-4 MSD    | CSW-12-0-2-20240801    | Soluble   | Solid  | 300.0  | 87338      |



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-1  
SDG: Loving, NM

**Client Sample ID: CSW-11-0-2-20240801****Lab Sample ID: 880-46792-1****Date Collected: 08/01/24 09:00****Matrix: Solid****Date Received: 08/02/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 87338        | 08/02/24 08:54       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87346        | 08/02/24 11:57       | SMC     | EET MID |

**Client Sample ID: CSW-10-0-2-20240801****Lab Sample ID: 880-46792-2****Date Collected: 08/01/24 09:45****Matrix: Solid****Date Received: 08/02/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 87338        | 08/02/24 08:54       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87346        | 08/02/24 12:02       | SMC     | EET MID |

**Client Sample ID: CSB-078-3.0-20240801****Lab Sample ID: 880-46792-3****Date Collected: 08/01/24 10:05****Matrix: Solid****Date Received: 08/02/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 87338        | 08/02/24 08:54       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87346        | 08/02/24 12:07       | SMC     | EET MID |

**Client Sample ID: CSW-12-0-2-20240801****Lab Sample ID: 880-46792-4****Date Collected: 08/01/24 09:20****Matrix: Solid****Date Received: 08/02/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 87338        | 08/02/24 08:54       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87346        | 08/02/24 12:13       | SMC     | EET MID |

**Client Sample ID: CSB-041-3.0-20240801****Lab Sample ID: 880-46792-5****Date Collected: 08/01/24 12:20****Matrix: Solid****Date Received: 08/02/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87338        | 08/02/24 08:54       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87346        | 08/02/24 12:28       | SMC     | EET MID |

**Client Sample ID: CSB-096-3.0-20240801****Lab Sample ID: 880-46792-6****Date Collected: 08/01/24 15:35****Matrix: Solid****Date Received: 08/02/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87338        | 08/02/24 08:54       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87346        | 08/02/24 12:34       | SMC     | EET MID |

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

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Method Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-1  
SDG: Loving, NM

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

ASTM = ASTM International  
EPA = US Environmental Protection Agency

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       | Depth |
|---------------|----------------------|--------|----------------|----------------|-------|
| 880-46792-1   | CSW-11-0-2-20240801  | Solid  | 08/01/24 09:00 | 08/02/24 08:00 | 0-2   |
| 880-46792-2   | CSW-10-0-2-20240801  | Solid  | 08/01/24 09:45 | 08/02/24 08:00 | 0-2   |
| 880-46792-3   | CSB-078-3.0-20240801 | Solid  | 08/01/24 10:05 | 08/02/24 08:00 | 3.0   |
| 880-46792-4   | CSW-12-0-2-20240801  | Solid  | 08/01/24 09:20 | 08/02/24 08:00 | 0-2   |
| 880-46792-5   | CSB-041-3.0-20240801 | Solid  | 08/01/24 12:20 | 08/02/24 08:00 | 3.0   |
| 880-46792-6   | CSB-096-3.0-20240801 | Solid  | 08/01/24 15:35 | 08/02/24 08:00 | 3.0   |

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Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 885-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060

Work O



880-46792 Chain of Custody

Page 1 of 1

|                  |                         |                         |                        |
|------------------|-------------------------|-------------------------|------------------------|
| Project Manager: | Becky Wylene            | Bill to: (if different) |                        |
| Company Name:    | AECOM                   | Company Name:           |                        |
| Address:         | 13355 Noel Rd Suite 400 | Address:                |                        |
| City, State ZIP: | Dallas, TX 75240        | City, State ZIP:        |                        |
| Phone:           | 214-921-1829            | Email:                  | Becky.Wylene@aecom.com |

|                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                              |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project: NM                                                                                                                                                             |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

|                          |                                                                     |                                                                           |                                                                     |
|--------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------|
| Project Name:            | Amec CCR                                                            | Turn Around                                                               |                                                                     |
| Project Number:          | 60734207                                                            | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |                                                                     |
| Project Location:        | Loving, NM                                                          | Due Date:                                                                 | 8/1/24                                                              |
| Sampler's Name:          | J. Rasmussen                                                        | TAT starts the day received by the lab, if received by 4:30pm             |                                                                     |
| PO #:                    |                                                                     |                                                                           |                                                                     |
| SAMPLE RECEIPT           |                                                                     | Temp Blank:                                                               | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Samples Received Intact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID:                                                           | 178                                                                 |
| Cooler Custody Seals:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Correction Factor:                                                        |                                                                     |
| Sample Custody Seals:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Temperature Reading:                                                      | 0.3                                                                 |
| Total Containers:        |                                                                     | Corrected Temperature:                                                    | 0.1                                                                 |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab Comp | # of Cont |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | </ |
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|                                              |                                                                        |                                |                                                                                               |
|----------------------------------------------|------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020:                                                          | 8RCRA 13PPM Texas 11           | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245.1 / 7470 / 7471 |                                                                                               |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |             |                              |                          |           |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| 1 <i>Becky Wylene</i>        | 2 <i>Becky Wylene</i>    | 8/2/24 1620 | 3 <i>Becky Wylene</i>        | 4 <i>Becky Wylene</i>    |           |
| 5                            |                          |             | 6                            |                          |           |



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46792-1

SDG Number: Loving, NM

Login Number: 46792

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/6/2024 9:24:30 AM Revision 1

## JOB DESCRIPTION

Amoco Site  
Loving, NM

## JOB NUMBER

880-46792-2

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Authorized for release by  
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(432)704-5440

Generated  
8/6/2024 9:24:30 AM  
Revision 1



Client: AECOM  
Project/Site: Amoco Site

Laboratory Job ID: 880-46792-2  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ▫              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco Site

Job ID: 880-46792-2

**Job ID: 880-46792-2**

**Eurofins Midland**

**Job Narrative  
880-46792-2**

### REVISION

The report being provided is a revision of the original report sent on 8/5/2024. The report (revision 1) is being revised due to Per client email, requesting sample ID be corrected to match COC.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### **Receipt**

The samples were received on 8/2/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.1°C.

### **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: CSW-11-0-2-20240801 (880-46792-1), CSW-10-0-2-20240801 (880-46792-2), CSB-078-3.0-20240801 (880-46792-3), CSW-12-0-2-20240801 (880-46792-4), CSB-041-3.0-20240801 (880-46792-5) and CSB-096-3.0-20240801 (880-46792-6).

### **GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### **Diesel Range Organics**

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-87359 and analytical batch 880-87294 was outside the control limits.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-87294/6). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-87294 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour limit, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-87294/21).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

Client Sample ID: CSW-11-0-2-20240801

Lab Sample ID: 880-46792-1

Date Collected: 08/01/24 09:00

Matrix: Solid

Date Received: 08/02/24 08:00

Sample Depth: 0-2

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:05 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:05 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:05 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:05 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:05 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:05 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 | 08/02/24 08:35 | 08/02/24 12:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 | 08/02/24 08:35 | 08/02/24 12:05 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 08/02/24 12:05 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 08/02/24 14:32 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 08/02/24 09:59 | 08/02/24 14:32 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 08/02/24 09:59 | 08/02/24 14:32 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | mg/Kg |   | 08/02/24 09:59 | 08/02/24 14:32 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 82        |           | 70 - 130 | 08/02/24 09:59 | 08/02/24 14:32 | 1       |
| o-Terphenyl    | 76        |           | 70 - 130 | 08/02/24 09:59 | 08/02/24 14:32 | 1       |

Client Sample ID: CSW-10-0-2-20240801

Lab Sample ID: 880-46792-2

Date Collected: 08/01/24 09:45

Matrix: Solid

Date Received: 08/02/24 08:00

Sample Depth: 0-2

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:26 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:26 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:26 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:26 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:26 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:26 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 | 08/02/24 08:35 | 08/02/24 12:26 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 | 08/02/24 08:35 | 08/02/24 12:26 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

Client Sample ID: CSW-10-0-2-20240801

Lab Sample ID: 880-46792-2

Date Collected: 08/01/24 09:45

Matrix: Solid

Date Received: 08/02/24 08:00

Sample Depth: 0-2

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 08/02/24 12:26 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 08/02/24 16:11 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 08/02/24 09:59 | 08/02/24 16:11 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 08/02/24 09:59 | 08/02/24 16:11 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 08/02/24 09:59 | 08/02/24 16:11 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 76        |           | 70 - 130 |       |   | 08/02/24 09:59 | 08/02/24 16:11 | 1       |
| o-Terphenyl                          | 71        |           | 70 - 130 |       |   | 08/02/24 09:59 | 08/02/24 16:11 | 1       |

Client Sample ID: CSB-078-3.0-20240801

Lab Sample ID: 880-46792-3

Date Collected: 08/01/24 10:05

Matrix: Solid

Date Received: 08/02/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:46 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:46 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:46 | 1       |
| m-Xylene & p-Xylene         | <0.00400  | U         | 0.00400  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:46 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:46 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 12:46 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 |       |   | 08/02/24 08:35 | 08/02/24 12:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |       |   | 08/02/24 08:35 | 08/02/24 12:46 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 08/02/24 12:46 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 08/02/24 16:27 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 08/02/24 09:59 | 08/02/24 16:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 08/02/24 09:59 | 08/02/24 16:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | mg/Kg |   | 08/02/24 09:59 | 08/02/24 16:27 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

Client Sample ID: CSB-078-3.0-20240801

Lab Sample ID: 880-46792-3

Date Collected: 08/01/24 10:05

Matrix: Solid

Date Received: 08/02/24 08:00

Sample Depth: 3.0

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 88        |           | 70 - 130 | 08/02/24 09:59 | 08/02/24 16:27 | 1       |
| o-Terphenyl    | 81        |           | 70 - 130 | 08/02/24 09:59 | 08/02/24 16:27 | 1       |

Client Sample ID: CSW-12-0-2-20240801

Lab Sample ID: 880-46792-4

Date Collected: 08/01/24 09:20

Matrix: Solid

Date Received: 08/02/24 08:00

Sample Depth: 0-2

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:07 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:07 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:07 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:07 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:07 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:07 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 |       |   | 08/02/24 08:35 | 08/02/24 13:07 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 |       |   | 08/02/24 08:35 | 08/02/24 13:07 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 08/02/24 13:07 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 08/02/24 16:43 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 08/02/24 09:59 | 08/02/24 16:43 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 08/02/24 09:59 | 08/02/24 16:43 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 08/02/24 09:59 | 08/02/24 16:43 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 74        |           | 70 - 130 |       |   | 08/02/24 09:59 | 08/02/24 16:43 | 1       |
| o-Terphenyl                          | 71        |           | 70 - 130 |       |   | 08/02/24 09:59 | 08/02/24 16:43 | 1       |

Client Sample ID: CSB-041-3.0-20240801

Lab Sample ID: 880-46792-5

Date Collected: 08/01/24 12:20

Matrix: Solid

Date Received: 08/02/24 08:00

Sample Depth: 3.0

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:27 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:27 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:27 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:27 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

Client Sample ID: CSB-041-3.0-20240801

Lab Sample ID: 880-46792-5

Date Collected: 08/01/24 12:20

Matrix: Solid

Date Received: 08/02/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:27 | 1       |
| Xylenes, Total              | <0.00404  | U         | 0.00404  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:27 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 |       |   | 08/02/24 08:35 | 08/02/24 13:27 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |       |   | 08/02/24 08:35 | 08/02/24 13:27 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 08/02/24 13:27 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 118    |           | 49.8 | mg/Kg |   |          | 08/02/24 16:59 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 08/02/24 09:59 | 08/02/24 16:59 | 1       |
| Diesel Range Organics (Over C10-C28) | 118       |           | 49.8     | mg/Kg |   | 08/02/24 09:59 | 08/02/24 16:59 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 08/02/24 09:59 | 08/02/24 16:59 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 80        |           | 70 - 130 |       |   | 08/02/24 09:59 | 08/02/24 16:59 | 1       |
| o-Terphenyl                          | 77        |           | 70 - 130 |       |   | 08/02/24 09:59 | 08/02/24 16:59 | 1       |

Client Sample ID: CSB-096-3.0-20240801

Lab Sample ID: 880-46792-6

Date Collected: 08/01/24 15:35

Matrix: Solid

Date Received: 08/02/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:48 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:48 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:48 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:48 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:48 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 08/02/24 08:35 | 08/02/24 13:48 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 |       |   | 08/02/24 08:35 | 08/02/24 13:48 | 1       |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 |       |   | 08/02/24 08:35 | 08/02/24 13:48 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 08/02/24 13:48 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

Client Sample ID: CSB-096-3.0-20240801  
Date Collected: 08/01/24 15:35  
Date Received: 08/02/24 08:00  
Sample Depth: 3.0

Lab Sample ID: 880-46792-6  
Matrix: Solid

|                                                          |        |           |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |       |   |          |                |         |  |
| Analyte                                                  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH                                                | <49.7  | U         | 49.7 | mg/Kg |   |          | 08/02/24 17:15 | 1       |  |

|                                                           |           |           |          |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|
| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |       |   |                |                |         |  |
| Analyte                                                   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <49.7     | U         | 49.7     | mg/Kg |   | 08/02/24 09:59 | 08/02/24 17:15 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <49.7     | U         | 49.7     | mg/Kg |   | 08/02/24 09:59 | 08/02/24 17:15 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <49.7     | U         | 49.7     | mg/Kg |   | 08/02/24 09:59 | 08/02/24 17:15 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 89        |           | 70 - 130 |       |   | 08/02/24 09:59 | 08/02/24 17:15 | 1       |  |
| o-Terphenyl                                               | 82        |           | 70 - 130 |       |   | 08/02/24 09:59 | 08/02/24 17:15 | 1       |  |



## Surrogate Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID       | BFB1     | DFBZ1    |
|--------------------|------------------------|----------|----------|
|                    |                        | (70-130) | (70-130) |
| 880-46792-1        | CSW-11-0-2-20240801    | 108      | 98       |
| 880-46792-1 MS     | CSW-11-0-2-20240801    | 106      | 97       |
| 880-46792-1 MSD    | CSW-11-0-2-20240801    | 103      | 97       |
| 880-46792-2        | CSW-10-0-2-20240801    | 107      | 91       |
| 880-46792-3        | CSB-078-3.0-20240801   | 104      | 97       |
| 880-46792-4        | CSW-12-0-2-20240801    | 108      | 89       |
| 880-46792-5        | CSB-041-3.0-20240801   | 108      | 99       |
| 880-46792-6        | CSB-096-3.0-20240801   | 103      | 87       |
| LCS 880-87342/1-A  | Lab Control Sample     | 101      | 99       |
| LCSD 880-87342/2-A | Lab Control Sample Dup | 102      | 99       |
| MB 880-87342/5-A   | Method Blank           | 103      | 91       |

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID       | 1CO1     | OTPH1    |
|--------------------|------------------------|----------|----------|
|                    |                        | (70-130) | (70-130) |
| 880-46792-1        | CSW-11-0-2-20240801    | 82       | 76       |
| 880-46792-1 MS     | CSW-11-0-2-20240801    | 90       | 73       |
| 880-46792-1 MSD    | CSW-11-0-2-20240801    | 88       | 71       |
| 880-46792-2        | CSW-10-0-2-20240801    | 76       | 71       |
| 880-46792-3        | CSB-078-3.0-20240801   | 88       | 81       |
| 880-46792-4        | CSW-12-0-2-20240801    | 74       | 71       |
| 880-46792-5        | CSB-041-3.0-20240801   | 80       | 77       |
| 880-46792-6        | CSB-096-3.0-20240801   | 89       | 82       |
| LCS 880-87359/2-A  | Lab Control Sample     | 89       | 74       |
| LCSD 880-87359/3-A | Lab Control Sample Dup | 87       | 72       |
| MB 880-87359/1-A   | Method Blank           | 63 S1-   | 58 S1-   |

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-87342/5-A

Matrix: Solid

Analysis Batch: 87345

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87342

| Analyte             | MB Result | MB Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 11:44 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 11:44 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 11:44 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 11:44 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 11:44 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 | mg/Kg |   | 08/02/24 08:35 | 08/02/24 11:44 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103          |              | 70 - 130 | 08/02/24 08:35 | 08/02/24 11:44 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91           |              | 70 - 130 | 08/02/24 08:35 | 08/02/24 11:44 | 1       |

Lab Sample ID: LCS 880-87342/1-A

Matrix: Solid

Analysis Batch: 87345

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87342

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1185     |               | mg/Kg |   | 118  | 70 - 130    |
| Toluene             | 0.100       | 0.1065     |               | mg/Kg |   | 106  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.1093     |               | mg/Kg |   | 109  | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2290     |               | mg/Kg |   | 114  | 70 - 130    |
| o-Xylene            | 0.100       | 0.1120     |               | mg/Kg |   | 112  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 101           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 99            |               | 70 - 130 |

Lab Sample ID: LCSD 880-87342/2-A

Matrix: Solid

Analysis Batch: 87345

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87342

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.1049      |                | mg/Kg |   | 105  | 70 - 130    | 12  | 35        |
| Toluene             | 0.100       | 0.09449     |                | mg/Kg |   | 94   | 70 - 130    | 12  | 35        |
| Ethylbenzene        | 0.100       | 0.09713     |                | mg/Kg |   | 97   | 70 - 130    | 12  | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.2054      |                | mg/Kg |   | 103  | 70 - 130    | 11  | 35        |
| o-Xylene            | 0.100       | 0.1024      |                | mg/Kg |   | 102  | 70 - 130    | 9   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 102            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 99             |                | 70 - 130 |

Lab Sample ID: 880-46792-1 MS

Matrix: Solid

Analysis Batch: 87345

Client Sample ID: CSW-11-0-2-20240801

Prep Type: Total/NA

Prep Batch: 87342

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00202      | U                | 0.100       | 0.09564   |              | mg/Kg |   | 96   | 70 - 130    |
| Toluene | <0.00202      | U                | 0.100       | 0.08781   |              | mg/Kg |   | 88   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-46792-1 MS

Matrix: Solid

Analysis Batch: 87345

Client Sample ID: CSW-11-0-2-20240801

Prep Type: Total/NA

Prep Batch: 87342

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00202      | U                | 0.100       | 0.09113   |              | mg/Kg |   | 91   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00404      | U                | 0.200       | 0.1914    |              | mg/Kg |   | 96   | 70 - 130    |
| o-Xylene            | <0.00202      | U                | 0.100       | 0.09587   |              | mg/Kg |   | 96   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 106          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97           |              | 70 - 130 |

Lab Sample ID: 880-46792-1 MSD

Matrix: Solid

Analysis Batch: 87345

Client Sample ID: CSW-11-0-2-20240801

Prep Type: Total/NA

Prep Batch: 87342

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00202      | U                | 0.100       | 0.09935    |               | mg/Kg |   | 99   | 70 - 130    | 4   | 35        |
| Toluene             | <0.00202      | U                | 0.100       | 0.09101    |               | mg/Kg |   | 91   | 70 - 130    | 4   | 35        |
| Ethylbenzene        | <0.00202      | U                | 0.100       | 0.09442    |               | mg/Kg |   | 94   | 70 - 130    | 4   | 35        |
| m-Xylene & p-Xylene | <0.00404      | U                | 0.200       | 0.1971     |               | mg/Kg |   | 99   | 70 - 130    | 3   | 35        |
| o-Xylene            | <0.00202      | U                | 0.100       | 0.09765    |               | mg/Kg |   | 98   | 70 - 130    | 2   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 103           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97            |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-87359/1-A

Matrix: Solid

Analysis Batch: 87294

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87359

| Analyte                              | MB Result | MB Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 | mg/Kg |   | 08/02/24 09:58 | 08/02/24 10:00 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 | mg/Kg |   | 08/02/24 09:58 | 08/02/24 10:00 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 | mg/Kg |   | 08/02/24 09:58 | 08/02/24 10:00 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 63           | S1-          | 70 - 130 | 08/02/24 09:58 | 08/02/24 10:00 | 1       |
| o-Terphenyl    | 58           | S1-          | 70 - 130 | 08/02/24 09:58 | 08/02/24 10:00 | 1       |

Lab Sample ID: LCS 880-87359/2-A

Matrix: Solid

Analysis Batch: 87294

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87359

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 904.5      |               | mg/Kg |   | 90   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 759.4      |               | mg/Kg |   | 76   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-87359/2-A

Matrix: Solid

Analysis Batch: 87294

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87359

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 89        |           | 70 - 130 |
| o-Terphenyl    | 74        |           | 70 - 130 |

Lab Sample ID: LCSD 880-87359/3-A

Matrix: Solid

Analysis Batch: 87294

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87359

| Analyte                                 |  |  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-----------------------------------------|--|--|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 |  |  | 1000           | 862.0          |                   | mg/Kg |   | 86   | 70 - 130       | 5   | 20           |
| Diesel Range Organics (Over<br>C10-C28) |  |  | 1000           | 744.4          |                   | mg/Kg |   | 74   | 70 - 130       | 2   | 20           |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 87        |           | 70 - 130 |
| o-Terphenyl    | 72        |           | 70 - 130 |

Lab Sample ID: 880-46792-1 MS

Matrix: Solid

Analysis Batch: 87294

Client Sample ID: CSW-11-0-2-20240801

Prep Type: Total/NA

Prep Batch: 87359

| Analyte                                 | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |  |  |
|-----------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|--|--|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <50.0            | U                   | 998            | 961.0        |                 | mg/Kg |   | 96   | 70 - 130       |  |  |
| Diesel Range Organics (Over<br>C10-C28) | <50.0            | U                   | 998            | 837.6        |                 | mg/Kg |   | 84   | 70 - 130       |  |  |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 90        |           | 70 - 130 |
| o-Terphenyl    | 73        |           | 70 - 130 |

Lab Sample ID: 880-46792-1 MSD

Matrix: Solid

Analysis Batch: 87294

Client Sample ID: CSW-11-0-2-20240801

Prep Type: Total/NA

Prep Batch: 87359

| Analyte                                 | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-----------------------------------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <50.0            | U                   | 998            | 957.8         |                  | mg/Kg |   | 96   | 70 - 130       | 0   | 20           |
| Diesel Range Organics (Over<br>C10-C28) | <50.0            | U                   | 998            | 820.5         |                  | mg/Kg |   | 82   | 70 - 130       | 2   | 20           |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 88        |           | 70 - 130 |
| o-Terphenyl    | 71        |           | 70 - 130 |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

## GC VOA

## Prep Batch: 87342

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46792-1        | CSW-11-0-2-20240801    | Total/NA  | Solid  | 5035   |            |
| 880-46792-2        | CSW-10-0-2-20240801    | Total/NA  | Solid  | 5035   |            |
| 880-46792-3        | CSB-078-3.0-20240801   | Total/NA  | Solid  | 5035   |            |
| 880-46792-4        | CSW-12-0-2-20240801    | Total/NA  | Solid  | 5035   |            |
| 880-46792-5        | CSB-041-3.0-20240801   | Total/NA  | Solid  | 5035   |            |
| 880-46792-6        | CSB-096-3.0-20240801   | Total/NA  | Solid  | 5035   |            |
| MB 880-87342/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-87342/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-87342/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-46792-1 MS     | CSW-11-0-2-20240801    | Total/NA  | Solid  | 5035   |            |
| 880-46792-1 MSD    | CSW-11-0-2-20240801    | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 87345

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46792-1        | CSW-11-0-2-20240801    | Total/NA  | Solid  | 8021B  | 87342      |
| 880-46792-2        | CSW-10-0-2-20240801    | Total/NA  | Solid  | 8021B  | 87342      |
| 880-46792-3        | CSB-078-3.0-20240801   | Total/NA  | Solid  | 8021B  | 87342      |
| 880-46792-4        | CSW-12-0-2-20240801    | Total/NA  | Solid  | 8021B  | 87342      |
| 880-46792-5        | CSB-041-3.0-20240801   | Total/NA  | Solid  | 8021B  | 87342      |
| 880-46792-6        | CSB-096-3.0-20240801   | Total/NA  | Solid  | 8021B  | 87342      |
| MB 880-87342/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 87342      |
| LCS 880-87342/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 87342      |
| LCSD 880-87342/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 87342      |
| 880-46792-1 MS     | CSW-11-0-2-20240801    | Total/NA  | Solid  | 8021B  | 87342      |
| 880-46792-1 MSD    | CSW-11-0-2-20240801    | Total/NA  | Solid  | 8021B  | 87342      |

## Analysis Batch: 87491

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method     | Prep Batch |
|---------------|----------------------|-----------|--------|------------|------------|
| 880-46792-1   | CSW-11-0-2-20240801  | Total/NA  | Solid  | Total BTEX |            |
| 880-46792-2   | CSW-10-0-2-20240801  | Total/NA  | Solid  | Total BTEX |            |
| 880-46792-3   | CSB-078-3.0-20240801 | Total/NA  | Solid  | Total BTEX |            |
| 880-46792-4   | CSW-12-0-2-20240801  | Total/NA  | Solid  | Total BTEX |            |
| 880-46792-5   | CSB-041-3.0-20240801 | Total/NA  | Solid  | Total BTEX |            |
| 880-46792-6   | CSB-096-3.0-20240801 | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 87294

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46792-1        | CSW-11-0-2-20240801    | Total/NA  | Solid  | 8015B NM | 87359      |
| 880-46792-2        | CSW-10-0-2-20240801    | Total/NA  | Solid  | 8015B NM | 87359      |
| 880-46792-3        | CSB-078-3.0-20240801   | Total/NA  | Solid  | 8015B NM | 87359      |
| 880-46792-4        | CSW-12-0-2-20240801    | Total/NA  | Solid  | 8015B NM | 87359      |
| 880-46792-5        | CSB-041-3.0-20240801   | Total/NA  | Solid  | 8015B NM | 87359      |
| 880-46792-6        | CSB-096-3.0-20240801   | Total/NA  | Solid  | 8015B NM | 87359      |
| MB 880-87359/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 87359      |
| LCS 880-87359/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 87359      |
| LCSD 880-87359/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 87359      |
| 880-46792-1 MS     | CSW-11-0-2-20240801    | Total/NA  | Solid  | 8015B NM | 87359      |
| 880-46792-1 MSD    | CSW-11-0-2-20240801    | Total/NA  | Solid  | 8015B NM | 87359      |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

## GC Semi VOA

## Prep Batch: 87359

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-46792-1        | CSW-11-0-2-20240801    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46792-2        | CSW-10-0-2-20240801    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46792-3        | CSB-078-3.0-20240801   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46792-4        | CSW-12-0-2-20240801    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46792-5        | CSB-041-3.0-20240801   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46792-6        | CSB-096-3.0-20240801   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-87359/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-87359/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-87359/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46792-1 MS     | CSW-11-0-2-20240801    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46792-1 MSD    | CSW-11-0-2-20240801    | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 87503

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method  | Prep Batch |
|---------------|----------------------|-----------|--------|---------|------------|
| 880-46792-1   | CSW-11-0-2-20240801  | Total/NA  | Solid  | 8015 NM |            |
| 880-46792-2   | CSW-10-0-2-20240801  | Total/NA  | Solid  | 8015 NM |            |
| 880-46792-3   | CSB-078-3.0-20240801 | Total/NA  | Solid  | 8015 NM |            |
| 880-46792-4   | CSW-12-0-2-20240801  | Total/NA  | Solid  | 8015 NM |            |
| 880-46792-5   | CSB-041-3.0-20240801 | Total/NA  | Solid  | 8015 NM |            |
| 880-46792-6   | CSB-096-3.0-20240801 | Total/NA  | Solid  | 8015 NM |            |



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

**Client Sample ID: CSW-11-0-2-20240801****Lab Sample ID: 880-46792-1****Date Collected: 08/01/24 09:00****Matrix: Solid****Date Received: 08/02/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 87342        | 08/02/24 08:35       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87345        | 08/02/24 12:05       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87491        | 08/02/24 12:05       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87503        | 08/02/24 14:32       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 87359        | 08/02/24 09:59       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87294        | 08/02/24 14:32       | TKC     | EET MID |

**Client Sample ID: CSW-10-0-2-20240801****Lab Sample ID: 880-46792-2****Date Collected: 08/01/24 09:45****Matrix: Solid****Date Received: 08/02/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 87342        | 08/02/24 08:35       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87345        | 08/02/24 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87491        | 08/02/24 12:26       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87503        | 08/02/24 16:11       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 87359        | 08/02/24 09:59       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87294        | 08/02/24 16:11       | TKC     | EET MID |

**Client Sample ID: CSB-078-3.0-20240801****Lab Sample ID: 880-46792-3****Date Collected: 08/01/24 10:05****Matrix: Solid****Date Received: 08/02/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 87342        | 08/02/24 08:35       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87345        | 08/02/24 12:46       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87491        | 08/02/24 12:46       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87503        | 08/02/24 16:27       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 87359        | 08/02/24 09:59       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87294        | 08/02/24 16:27       | TKC     | EET MID |

**Client Sample ID: CSW-12-0-2-20240801****Lab Sample ID: 880-46792-4****Date Collected: 08/01/24 09:20****Matrix: Solid****Date Received: 08/02/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 87342        | 08/02/24 08:35       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87345        | 08/02/24 13:07       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87491        | 08/02/24 13:07       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87503        | 08/02/24 16:43       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 87359        | 08/02/24 09:59       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87294        | 08/02/24 16:43       | TKC     | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

Client Sample ID: CSB-041-3.0-20240801  
Date Collected: 08/01/24 12:20  
Date Received: 08/02/24 08:00

Lab Sample ID: 880-46792-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 87342        | 08/02/24 08:35       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87345        | 08/02/24 13:27       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87491        | 08/02/24 13:27       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87503        | 08/02/24 16:59       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 87359        | 08/02/24 09:59       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87294        | 08/02/24 16:59       | TKC     | EET MID |

Client Sample ID: CSB-096-3.0-20240801  
Date Collected: 08/01/24 15:35  
Date Received: 08/02/24 08:00

Lab Sample ID: 880-46792-6  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 87342        | 08/02/24 08:35       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87345        | 08/02/24 13:48       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87491        | 08/02/24 13:48       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87503        | 08/02/24 17:15       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 87359        | 08/02/24 09:59       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87294        | 08/02/24 17:15       | TKC     | EET MID |

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |



Method Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

| Method      | Method Description               | Protocol | Laboratory |
|-------------|----------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)  | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation           | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 5035        | Closed System Purge and Trap     | SW846    | EET MID    |
| 8015NM Prep | Microextraction                  | SW846    | EET MID    |

**Protocol References:**  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46792-2  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       | Depth |
|---------------|----------------------|--------|----------------|----------------|-------|
| 880-46792-1   | CSW-11-0-2-20240801  | Solid  | 08/01/24 09:00 | 08/02/24 08:00 | 0-2   |
| 880-46792-2   | CSW-10-0-2-20240801  | Solid  | 08/01/24 09:45 | 08/02/24 08:00 | 0-2   |
| 880-46792-3   | CSB-078-3.0-20240801 | Solid  | 08/01/24 10:05 | 08/02/24 08:00 | 3.0   |
| 880-46792-4   | CSW-12-0-2-20240801  | Solid  | 08/01/24 09:20 | 08/02/24 08:00 | 0-2   |
| 880-46792-5   | CSB-041-3.0-20240801 | Solid  | 08/01/24 12:20 | 08/02/24 08:00 | 3.0   |
| 880-46792-6   | CSB-096-3.0-20240801 | Solid  | 08/01/24 15:35 | 08/02/24 08:00 | 3.0   |



- 1
- 2
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- 4
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- 7
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- 12
- 13
- 14



Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 885-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060

Work C



880-46792 Chain of Custody

Page 1 of 1

Project Manager: Brad Wyne  
Company Name: AECOM  
Address: 13355 Noel Rd Suite 400  
City, State ZIP: Dallas, TX 75240  
Phone: 214-971-1829 Email: Brad.Wyne@aecom.com  
Bill to: (if different)  
Company Name:  
Address:  
City, State ZIP:

Work Order Comments  
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐  
State of Project: NM  
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐  
Deliverables: EDD ☒ ADAPT ☐ Other:

Project Name: Pmc CFB  
Project Number: 60734207  
Project Location: Loring, NM  
Sampler's Name: S. Rasmussen  
PO #:   
Turn Around  
Routine ☐ Rush ☒  
Due Date: 8/1/24  
TAT starts the day received by the lab, if received by 4:30pm  
SAMPLE RECEIPT  
Temp Blank: Yes ☒ No ☐  
Wet Ice: Yes ☒ No ☐  
Samples Received Intact: Yes ☒ No ☐  
Thermometer ID: 175  
Cooler Custody Seals: Yes ☒ No ☐  
Correction Factor: 0.1  
Sample Custody Seals: Yes ☒ No ☐  
Temperature Reading: 0.1  
Total Containers: Corrected Temperature: 0.1

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | Sample Comments |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn  
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |             |                              |                          |           |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| 1 <i>AWC-AELAN</i>           | <i>[Signature]</i>       | 8/2/24 800  | 2                            |                          |           |
| 3                            |                          | 8/1/24 1620 | 4                            |                          |           |
| 5                            |                          |             | 6                            |                          |           |



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46792-2

SDG Number: Loving, NM

Login Number: 46792

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240  
Generated 8/6/2024 1:09:19 PM

## JOB DESCRIPTION

Amoco Site  
Loving, NM

## JOB NUMBER

880-46842-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701





# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/6/2024 1:09:19 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco Site

Laboratory Job ID: 880-46842-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ▫              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| SQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco Site

Job ID: 880-46842-1

**Job ID: 880-46842-1**

**Eurofins Midland**

### Job Narrative 880-46842-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/5/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-080-3.0-20240802 (880-46842-1), CSB-081-3.0-20240802 (880-46842-2), CSB-088-3.0-20240802 (880-46842-3), CSB-089-3.0-20240802 (880-46842-4), CSB-098-3.0-20240802 (880-46842-5), CSB-105-3.0-20240802 (880-46842-6), CSB-090-3.5-20240802 (880-46842-7), CSB-079-3.5-20240802 (880-46842-8), CSB-097-3.5-20240802 (880-46842-9), CSB-103-3.5-20240802 (880-46842-10) and CSB-104-3.5-20240802 (880-46842-11).

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-87517 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour limit, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-87517/58).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

Client Sample ID: CSB-080-3.0-20240802

Lab Sample ID: 880-46842-1

Date Collected: 08/02/24 08:50

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 11:56 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 11:56 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 11:56 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 11:56 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 11:56 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 11:56 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 | 08/05/24 09:23 | 08/05/24 11:56 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 | 08/05/24 09:23 | 08/05/24 11:56 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 08/05/24 11:56 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 | mg/Kg |   |          | 08/05/24 23:55 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7  | U         | 49.7 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 23:55 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7  | U         | 49.7 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 23:55 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7  | U         | 49.7 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 23:55 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 110       |           | 70 - 130 | 08/05/24 09:23 | 08/05/24 23:55 | 1       |
| o-Terphenyl    | 96        |           | 70 - 130 | 08/05/24 09:23 | 08/05/24 23:55 | 1       |

Client Sample ID: CSB-081-3.0-20240802

Lab Sample ID: 880-46842-2

Date Collected: 08/02/24 09:05

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:16 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:16 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:16 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:16 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:16 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:16 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 | 08/05/24 09:23 | 08/05/24 12:16 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 | 08/05/24 09:23 | 08/05/24 12:16 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

Client Sample ID: CSB-081-3.0-20240802

Lab Sample ID: 880-46842-2

Date Collected: 08/02/24 09:05

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.0

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 08/05/24 12:16 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 | mg/Kg |   |          | 08/06/24 00:11 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7     | U         | 49.7     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 00:11 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7     | U         | 49.7     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 00:11 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7     | U         | 49.7     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 00:11 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 127       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/06/24 00:11 | 1       |
| o-Terphenyl                          | 115       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/06/24 00:11 | 1       |

Client Sample ID: CSB-088-3.0-20240802

Lab Sample ID: 880-46842-3

Date Collected: 08/02/24 09:20

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:37 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:37 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:37 | 1       |
| m-Xylene & p-Xylene         | <0.00400  | U         | 0.00400  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:37 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:37 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:37 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/05/24 12:37 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/05/24 12:37 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 08/05/24 12:37 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 08/06/24 00:27 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 08/05/24 09:23 | 08/06/24 00:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 08/05/24 09:23 | 08/06/24 00:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 08/05/24 09:23 | 08/06/24 00:27 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

Client Sample ID: CSB-088-3.0-20240802

Lab Sample ID: 880-46842-3

Date Collected: 08/02/24 09:20

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.0

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 106       |           | 70 - 130 | 08/05/24 09:23 | 08/06/24 00:27 | 1       |
| o-Terphenyl    | 95        |           | 70 - 130 | 08/05/24 09:23 | 08/06/24 00:27 | 1       |

Client Sample ID: CSB-089-3.0-20240802

Lab Sample ID: 880-46842-4

Date Collected: 08/02/24 09:35

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:58 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:58 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:58 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:58 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:58 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 12:58 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/05/24 12:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/05/24 12:58 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 08/05/24 12:58 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 08/06/24 00:44 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 00:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 00:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 00:44 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 109       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/06/24 00:44 | 1       |
| o-Terphenyl                          | 97        |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/06/24 00:44 | 1       |

Client Sample ID: CSB-098-3.0-20240802

Lab Sample ID: 880-46842-5

Date Collected: 08/02/24 10:15

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:18 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:18 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:18 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:18 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

Client Sample ID: CSB-098-3.0-20240802

Lab Sample ID: 880-46842-5

Date Collected: 08/02/24 10:15

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:18 | 1       |
| Xylenes, Total              | <0.00404  | U         | 0.00404  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:18 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/05/24 13:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/05/24 13:18 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 08/05/24 13:18 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 08/06/24 01:00 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 01:00 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 01:00 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 01:00 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 122       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/06/24 01:00 | 1       |
| o-Terphenyl                          | 106       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/06/24 01:00 | 1       |

Client Sample ID: CSB-105-3.0-20240802

Lab Sample ID: 880-46842-6

Date Collected: 08/02/24 11:00

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:39 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:39 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:39 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:39 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:39 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:39 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/05/24 13:39 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/05/24 13:39 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 08/05/24 13:39 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

Client Sample ID: CSB-105-3.0-20240802

Lab Sample ID: 880-46842-6

Date Collected: 08/02/24 11:00

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.0

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 08/06/24 01:16 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 01:16 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 01:16 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 01:16 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 105       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/06/24 01:16 | 1       |
| o-Terphenyl                          | 93        |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/06/24 01:16 | 1       |

Client Sample ID: CSB-090-3.5-20240802

Lab Sample ID: 880-46842-7

Date Collected: 08/02/24 12:55

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.5

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:59 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:59 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:59 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:59 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:59 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 13:59 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/05/24 13:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/05/24 13:59 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 08/05/24 13:59 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 08/06/24 01:33 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 01:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 01:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 01:33 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 110       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/06/24 01:33 | 1       |
| o-Terphenyl                          | 97        |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/06/24 01:33 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

Client Sample ID: CSB-079-3.5-20240802

Lab Sample ID: 880-46842-8

Date Collected: 08/02/24 13:10

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.5

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 14:20 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 14:20 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 14:20 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 14:20 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 14:20 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 14:20 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 | 08/05/24 09:23 | 08/05/24 14:20 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 | 08/05/24 09:23 | 08/05/24 14:20 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 08/05/24 14:20 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 84.0   |           | 49.7 | mg/Kg |   |          | 08/06/24 01:50 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7  | U         | 49.7 | mg/Kg |   | 08/05/24 09:23 | 08/06/24 01:50 | 1       |
| Diesel Range Organics (Over C10-C28) | 84.0   |           | 49.7 | mg/Kg |   | 08/05/24 09:23 | 08/06/24 01:50 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7  | U         | 49.7 | mg/Kg |   | 08/05/24 09:23 | 08/06/24 01:50 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 112       |           | 70 - 130 | 08/05/24 09:23 | 08/06/24 01:50 | 1       |
| o-Terphenyl    | 100       |           | 70 - 130 | 08/05/24 09:23 | 08/06/24 01:50 | 1       |

Client Sample ID: CSB-097-3.5-20240802

Lab Sample ID: 880-46842-9

Date Collected: 08/02/24 13:25

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.5

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 14:40 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 14:40 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 14:40 | 1       |
| m-Xylene & p-Xylene | <0.00400 | U         | 0.00400 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 14:40 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 14:40 | 1       |
| Xylenes, Total      | <0.00400 | U         | 0.00400 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 14:40 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 08/05/24 09:23 | 08/05/24 14:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 | 08/05/24 09:23 | 08/05/24 14:40 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

Client Sample ID: CSB-097-3.5-20240802

Lab Sample ID: 880-46842-9

Date Collected: 08/02/24 13:25

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.5

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 08/05/24 14:40 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.6  | U         | 49.6 | mg/Kg |   |          | 08/06/24 02:22 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.6     | U         | 49.6     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 02:22 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.6     | U         | 49.6     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 02:22 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.6     | U         | 49.6     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 02:22 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 116       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/06/24 02:22 | 1       |
| o-Terphenyl                          | 102       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/06/24 02:22 | 1       |

Client Sample ID: CSB-103-3.5-20240802

Lab Sample ID: 880-46842-10

Date Collected: 08/02/24 13:40

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.5

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 15:01 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 15:01 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 15:01 | 1       |
| m-Xylene & p-Xylene         | <0.00404  | U         | 0.00404  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 15:01 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 15:01 | 1       |
| Xylenes, Total              | <0.00404  | U         | 0.00404  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 15:01 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/05/24 15:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/05/24 15:01 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 08/05/24 15:01 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 08/06/24 02:39 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 08/05/24 09:23 | 08/06/24 02:39 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 08/05/24 09:23 | 08/06/24 02:39 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 08/05/24 09:23 | 08/06/24 02:39 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

Client Sample ID: CSB-103-3.5-20240802

Lab Sample ID: 880-46842-10

Date Collected: 08/02/24 13:40

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.5

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 120       |           | 70 - 130 | 08/05/24 09:23 | 08/06/24 02:39 | 1       |
| o-Terphenyl    | 108       |           | 70 - 130 | 08/05/24 09:23 | 08/06/24 02:39 | 1       |

Client Sample ID: CSB-104-3.5-20240802

Lab Sample ID: 880-46842-11

Date Collected: 08/02/24 13:50

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.5

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 16:35 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 16:35 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 16:35 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 16:35 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 16:35 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  | mg/Kg |   | 08/05/24 09:23 | 08/05/24 16:35 | 1       |
|                             |           |           |          |       |   |                |                |         |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/05/24 16:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/05/24 16:35 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 08/05/24 16:35 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 08/06/24 02:55 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 02:55 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 02:55 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 08/05/24 09:23 | 08/06/24 02:55 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 110       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/06/24 02:55 | 1       |
| o-Terphenyl                          | 100       |           | 70 - 130 |       |   | 08/05/24 09:23 | 08/06/24 02:55 | 1       |

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## Surrogate Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|-----------------------------------|------------------------|------------------------------------------------|----------|--|--|--|--|
| Lab Sample ID                     | Client Sample ID       | BFB1                                           | DFBZ1    |  |  |  |  |
|                                   |                        | (70-130)                                       | (70-130) |  |  |  |  |
| 880-46842-1                       | CSB-080-3.0-20240802   | 110                                            | 99       |  |  |  |  |
| 880-46842-1 MS                    | CSB-080-3.0-20240802   | 107                                            | 100      |  |  |  |  |
| 880-46842-1 MSD                   | CSB-080-3.0-20240802   | 104                                            | 100      |  |  |  |  |
| 880-46842-2                       | CSB-081-3.0-20240802   | 105                                            | 98       |  |  |  |  |
| 880-46842-3                       | CSB-088-3.0-20240802   | 104                                            | 97       |  |  |  |  |
| 880-46842-4                       | CSB-089-3.0-20240802   | 107                                            | 97       |  |  |  |  |
| 880-46842-5                       | CSB-098-3.0-20240802   | 106                                            | 97       |  |  |  |  |
| 880-46842-6                       | CSB-105-3.0-20240802   | 108                                            | 98       |  |  |  |  |
| 880-46842-7                       | CSB-090-3.5-20240802   | 106                                            | 97       |  |  |  |  |
| 880-46842-8                       | CSB-079-3.5-20240802   | 106                                            | 96       |  |  |  |  |
| 880-46842-9                       | CSB-097-3.5-20240802   | 104                                            | 97       |  |  |  |  |
| 880-46842-10                      | CSB-103-3.5-20240802   | 110                                            | 95       |  |  |  |  |
| 880-46842-11                      | CSB-104-3.5-20240802   | 107                                            | 98       |  |  |  |  |
| LCS 880-87470/1-A                 | Lab Control Sample     | 106                                            | 101      |  |  |  |  |
| LCSD 880-87470/2-A                | Lab Control Sample Dup | 103                                            | 98       |  |  |  |  |
| MB 880-87470/5-A                  | Method Blank           | 107                                            | 92       |  |  |  |  |
| <b>Surrogate Legend</b>           |                        |                                                |          |  |  |  |  |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |          |  |  |  |  |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |          |  |  |  |  |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|-------------------------|------------------------|------------------------------------------------|----------|--|--|--|--|
| Lab Sample ID           | Client Sample ID       | 1CO1                                           | OTPH1    |  |  |  |  |
|                         |                        | (70-130)                                       | (70-130) |  |  |  |  |
| 880-46842-1             | CSB-080-3.0-20240802   | 110                                            | 96       |  |  |  |  |
| 880-46842-2             | CSB-081-3.0-20240802   | 127                                            | 115      |  |  |  |  |
| 880-46842-3             | CSB-088-3.0-20240802   | 106                                            | 95       |  |  |  |  |
| 880-46842-4             | CSB-089-3.0-20240802   | 109                                            | 97       |  |  |  |  |
| 880-46842-5             | CSB-098-3.0-20240802   | 122                                            | 106      |  |  |  |  |
| 880-46842-6             | CSB-105-3.0-20240802   | 105                                            | 93       |  |  |  |  |
| 880-46842-7             | CSB-090-3.5-20240802   | 110                                            | 97       |  |  |  |  |
| 880-46842-8             | CSB-079-3.5-20240802   | 112                                            | 100      |  |  |  |  |
| 880-46842-9             | CSB-097-3.5-20240802   | 116                                            | 102      |  |  |  |  |
| 880-46842-10            | CSB-103-3.5-20240802   | 120                                            | 108      |  |  |  |  |
| 880-46842-11            | CSB-104-3.5-20240802   | 110                                            | 100      |  |  |  |  |
| LCS 880-87468/2-A       | Lab Control Sample     | 95                                             | 88       |  |  |  |  |
| LCSD 880-87468/3-A      | Lab Control Sample Dup | 99                                             | 92       |  |  |  |  |
| MB 880-87468/1-A        | Method Blank           | 88                                             | 76       |  |  |  |  |
| <b>Surrogate Legend</b> |                        |                                                |          |  |  |  |  |
| 1CO = 1-Chlorooctane    |                        |                                                |          |  |  |  |  |
| OTPH = o-Terphenyl      |                        |                                                |          |  |  |  |  |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-87470/5-A

Matrix: Solid

Analysis Batch: 87457

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87470

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 11:34 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 11:34 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 11:34 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 11:34 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 11:34 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | mg/Kg |   | 08/05/24 09:23 | 08/05/24 11:34 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107             |                 | 70 - 130 | 08/05/24 09:23 | 08/05/24 11:34 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92              |                 | 70 - 130 | 08/05/24 09:23 | 08/05/24 11:34 | 1       |

Lab Sample ID: LCS 880-87470/1-A

Matrix: Solid

Analysis Batch: 87457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87470

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1067        |                  | mg/Kg |   | 107  | 70 - 130       |
| Toluene             | 0.100          | 0.09724       |                  | mg/Kg |   | 97   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.1012        |                  | mg/Kg |   | 101  | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.2126        |                  | mg/Kg |   | 106  | 70 - 130       |
| o-Xylene            | 0.100          | 0.1051        |                  | mg/Kg |   | 105  | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 106              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-87470/2-A

Matrix: Solid

Analysis Batch: 87457

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87470

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1046         |                   | mg/Kg |   | 105  | 70 - 130       | 2   | 35           |
| Toluene             | 0.100          | 0.09521        |                   | mg/Kg |   | 95   | 70 - 130       | 2   | 35           |
| Ethylbenzene        | 0.100          | 0.09822        |                   | mg/Kg |   | 98   | 70 - 130       | 3   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2056         |                   | mg/Kg |   | 103  | 70 - 130       | 3   | 35           |
| o-Xylene            | 0.100          | 0.1022         |                   | mg/Kg |   | 102  | 70 - 130       | 3   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 103               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98                |                   | 70 - 130 |

Lab Sample ID: 880-46842-1 MS

Matrix: Solid

Analysis Batch: 87457

Client Sample ID: CSB-080-3.0-20240802

Prep Type: Total/NA

Prep Batch: 87470

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00202         | U                   | 0.100          | 0.1071       |                 | mg/Kg |   | 107  | 70 - 130       |
| Toluene | <0.00202         | U                   | 0.100          | 0.09569      |                 | mg/Kg |   | 96   | 70 - 130       |

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QC Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-46842-1 MS  
Matrix: Solid  
Analysis Batch: 87457

Client Sample ID: CSB-080-3.0-20240802  
Prep Type: Total/NA  
Prep Batch: 87470

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene                | <0.00202      | U                | 0.100       | 0.09860   |              | mg/Kg |   | 99   | 70 - 130    |
| m-Xylene & p-Xylene         | <0.00404      | U                | 0.200       | 0.2065    |              | mg/Kg |   | 103  | 70 - 130    |
| o-Xylene                    | <0.00202      | U                | 0.100       | 0.1026    |              | mg/Kg |   | 103  | 70 - 130    |
|                             |               |                  |             |           |              |       |   |      |             |
| Surrogate                   | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |
| 4-Bromofluorobenzene (Surr) | 107           |                  | 70 - 130    |           |              |       |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 100           |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 880-46842-1 MSD  
Matrix: Solid  
Analysis Batch: 87457

Client Sample ID: CSB-080-3.0-20240802  
Prep Type: Total/NA  
Prep Batch: 87470

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene                     | <0.00202      | U                | 0.100       | 0.1095     |               | mg/Kg |   | 109  | 70 - 130    | 2   | 35        |
| Toluene                     | <0.00202      | U                | 0.100       | 0.09789    |               | mg/Kg |   | 98   | 70 - 130    | 2   | 35        |
| Ethylbenzene                | <0.00202      | U                | 0.100       | 0.09892    |               | mg/Kg |   | 99   | 70 - 130    | 0   | 35        |
| m-Xylene & p-Xylene         | <0.00404      | U                | 0.200       | 0.2049     |               | mg/Kg |   | 102  | 70 - 130    | 1   | 35        |
| o-Xylene                    | <0.00202      | U                | 0.100       | 0.1013     |               | mg/Kg |   | 101  | 70 - 130    | 1   | 35        |
|                             |               |                  |             |            |               |       |   |      |             |     |           |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 104           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 100           |                  | 70 - 130    |            |               |       |   |      |             |     |           |

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-87468/1-A  
Matrix: Solid  
Analysis Batch: 87517

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 87468

| Analyte                              | MB Result    | MB Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0        | U            | 50.0     | mg/Kg |   | 08/05/24 09:22 | 08/05/24 22:00 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     | mg/Kg |   | 08/05/24 09:22 | 08/05/24 22:00 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     | mg/Kg |   | 08/05/24 09:22 | 08/05/24 22:00 | 1       |
|                                      |              |              |          |       |   |                |                |         |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |       |   |                |                |         |
| 1-Chlorooctane                       | 88           |              | 70 - 130 |       |   |                |                |         |
| o-Terphenyl                          | 76           |              | 70 - 130 |       |   |                |                |         |

Lab Sample ID: LCS 880-87468/2-A  
Matrix: Solid  
Analysis Batch: 87517

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 87468

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1026       |               | mg/Kg |   | 103  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 861.9      |               | mg/Kg |   | 86   | 70 - 130    |

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QC Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-87468/2-A  
Matrix: Solid  
Analysis Batch: 87517

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 87468

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 95        |           | 70 - 130 |
| o-Terphenyl    | 88        |           | 70 - 130 |

Lab Sample ID: LCSD 880-87468/3-A  
Matrix: Solid  
Analysis Batch: 87517

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 87468

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1049        |                | mg/Kg |   | 105  | 70 - 130    | 2   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 897.5       |                | mg/Kg |   | 90   | 70 - 130    | 4   | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 99        |           | 70 - 130 |
| o-Terphenyl    | 92        |           | 70 - 130 |



## QC Association Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

## GC VOA

## Analysis Batch: 87457

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46842-1        | CSB-080-3.0-20240802   | Total/NA  | Solid  | 8021B  | 87470      |
| 880-46842-2        | CSB-081-3.0-20240802   | Total/NA  | Solid  | 8021B  | 87470      |
| 880-46842-3        | CSB-088-3.0-20240802   | Total/NA  | Solid  | 8021B  | 87470      |
| 880-46842-4        | CSB-089-3.0-20240802   | Total/NA  | Solid  | 8021B  | 87470      |
| 880-46842-5        | CSB-098-3.0-20240802   | Total/NA  | Solid  | 8021B  | 87470      |
| 880-46842-6        | CSB-105-3.0-20240802   | Total/NA  | Solid  | 8021B  | 87470      |
| 880-46842-7        | CSB-090-3.5-20240802   | Total/NA  | Solid  | 8021B  | 87470      |
| 880-46842-8        | CSB-079-3.5-20240802   | Total/NA  | Solid  | 8021B  | 87470      |
| 880-46842-9        | CSB-097-3.5-20240802   | Total/NA  | Solid  | 8021B  | 87470      |
| 880-46842-10       | CSB-103-3.5-20240802   | Total/NA  | Solid  | 8021B  | 87470      |
| 880-46842-11       | CSB-104-3.5-20240802   | Total/NA  | Solid  | 8021B  | 87470      |
| MB 880-87470/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 87470      |
| LCS 880-87470/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 87470      |
| LCSD 880-87470/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 87470      |
| 880-46842-1 MS     | CSB-080-3.0-20240802   | Total/NA  | Solid  | 8021B  | 87470      |
| 880-46842-1 MSD    | CSB-080-3.0-20240802   | Total/NA  | Solid  | 8021B  | 87470      |

## Prep Batch: 87470

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46842-1        | CSB-080-3.0-20240802   | Total/NA  | Solid  | 5035   |            |
| 880-46842-2        | CSB-081-3.0-20240802   | Total/NA  | Solid  | 5035   |            |
| 880-46842-3        | CSB-088-3.0-20240802   | Total/NA  | Solid  | 5035   |            |
| 880-46842-4        | CSB-089-3.0-20240802   | Total/NA  | Solid  | 5035   |            |
| 880-46842-5        | CSB-098-3.0-20240802   | Total/NA  | Solid  | 5035   |            |
| 880-46842-6        | CSB-105-3.0-20240802   | Total/NA  | Solid  | 5035   |            |
| 880-46842-7        | CSB-090-3.5-20240802   | Total/NA  | Solid  | 5035   |            |
| 880-46842-8        | CSB-079-3.5-20240802   | Total/NA  | Solid  | 5035   |            |
| 880-46842-9        | CSB-097-3.5-20240802   | Total/NA  | Solid  | 5035   |            |
| 880-46842-10       | CSB-103-3.5-20240802   | Total/NA  | Solid  | 5035   |            |
| 880-46842-11       | CSB-104-3.5-20240802   | Total/NA  | Solid  | 5035   |            |
| MB 880-87470/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-87470/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-87470/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-46842-1 MS     | CSB-080-3.0-20240802   | Total/NA  | Solid  | 5035   |            |
| 880-46842-1 MSD    | CSB-080-3.0-20240802   | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 87642

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method     | Prep Batch |
|---------------|----------------------|-----------|--------|------------|------------|
| 880-46842-1   | CSB-080-3.0-20240802 | Total/NA  | Solid  | Total BTEX |            |
| 880-46842-2   | CSB-081-3.0-20240802 | Total/NA  | Solid  | Total BTEX |            |
| 880-46842-3   | CSB-088-3.0-20240802 | Total/NA  | Solid  | Total BTEX |            |
| 880-46842-4   | CSB-089-3.0-20240802 | Total/NA  | Solid  | Total BTEX |            |
| 880-46842-5   | CSB-098-3.0-20240802 | Total/NA  | Solid  | Total BTEX |            |
| 880-46842-6   | CSB-105-3.0-20240802 | Total/NA  | Solid  | Total BTEX |            |
| 880-46842-7   | CSB-090-3.5-20240802 | Total/NA  | Solid  | Total BTEX |            |
| 880-46842-8   | CSB-079-3.5-20240802 | Total/NA  | Solid  | Total BTEX |            |
| 880-46842-9   | CSB-097-3.5-20240802 | Total/NA  | Solid  | Total BTEX |            |
| 880-46842-10  | CSB-103-3.5-20240802 | Total/NA  | Solid  | Total BTEX |            |
| 880-46842-11  | CSB-104-3.5-20240802 | Total/NA  | Solid  | Total BTEX |            |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

## GC Semi VOA

## Prep Batch: 87468

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-46842-1        | CSB-080-3.0-20240802   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46842-2        | CSB-081-3.0-20240802   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46842-3        | CSB-088-3.0-20240802   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46842-4        | CSB-089-3.0-20240802   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46842-5        | CSB-098-3.0-20240802   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46842-6        | CSB-105-3.0-20240802   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46842-7        | CSB-090-3.5-20240802   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46842-8        | CSB-079-3.5-20240802   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46842-9        | CSB-097-3.5-20240802   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46842-10       | CSB-103-3.5-20240802   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46842-11       | CSB-104-3.5-20240802   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-87468/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-87468/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-87468/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 87517

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46842-1        | CSB-080-3.0-20240802   | Total/NA  | Solid  | 8015B NM | 87468      |
| 880-46842-2        | CSB-081-3.0-20240802   | Total/NA  | Solid  | 8015B NM | 87468      |
| 880-46842-3        | CSB-088-3.0-20240802   | Total/NA  | Solid  | 8015B NM | 87468      |
| 880-46842-4        | CSB-089-3.0-20240802   | Total/NA  | Solid  | 8015B NM | 87468      |
| 880-46842-5        | CSB-098-3.0-20240802   | Total/NA  | Solid  | 8015B NM | 87468      |
| 880-46842-6        | CSB-105-3.0-20240802   | Total/NA  | Solid  | 8015B NM | 87468      |
| 880-46842-7        | CSB-090-3.5-20240802   | Total/NA  | Solid  | 8015B NM | 87468      |
| 880-46842-8        | CSB-079-3.5-20240802   | Total/NA  | Solid  | 8015B NM | 87468      |
| 880-46842-9        | CSB-097-3.5-20240802   | Total/NA  | Solid  | 8015B NM | 87468      |
| 880-46842-10       | CSB-103-3.5-20240802   | Total/NA  | Solid  | 8015B NM | 87468      |
| 880-46842-11       | CSB-104-3.5-20240802   | Total/NA  | Solid  | 8015B NM | 87468      |
| MB 880-87468/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 87468      |
| LCS 880-87468/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 87468      |
| LCSD 880-87468/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 87468      |

## Analysis Batch: 87624

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method  | Prep Batch |
|---------------|----------------------|-----------|--------|---------|------------|
| 880-46842-1   | CSB-080-3.0-20240802 | Total/NA  | Solid  | 8015 NM |            |
| 880-46842-2   | CSB-081-3.0-20240802 | Total/NA  | Solid  | 8015 NM |            |
| 880-46842-3   | CSB-088-3.0-20240802 | Total/NA  | Solid  | 8015 NM |            |
| 880-46842-4   | CSB-089-3.0-20240802 | Total/NA  | Solid  | 8015 NM |            |
| 880-46842-5   | CSB-098-3.0-20240802 | Total/NA  | Solid  | 8015 NM |            |
| 880-46842-6   | CSB-105-3.0-20240802 | Total/NA  | Solid  | 8015 NM |            |
| 880-46842-7   | CSB-090-3.5-20240802 | Total/NA  | Solid  | 8015 NM |            |
| 880-46842-8   | CSB-079-3.5-20240802 | Total/NA  | Solid  | 8015 NM |            |
| 880-46842-9   | CSB-097-3.5-20240802 | Total/NA  | Solid  | 8015 NM |            |
| 880-46842-10  | CSB-103-3.5-20240802 | Total/NA  | Solid  | 8015 NM |            |
| 880-46842-11  | CSB-104-3.5-20240802 | Total/NA  | Solid  | 8015 NM |            |

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Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

Client Sample ID: CSB-080-3.0-20240802  
Date Collected: 08/02/24 08:50  
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 87470        | 08/05/24 09:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87457        | 08/05/24 11:56       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87642        | 08/05/24 11:56       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87624        | 08/05/24 23:55       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.07 g        | 10 mL        | 87468        | 08/05/24 09:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87517        | 08/05/24 23:55       | TKC     | EET MID |

Client Sample ID: CSB-081-3.0-20240802  
Date Collected: 08/02/24 09:05  
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 87470        | 08/05/24 09:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87457        | 08/05/24 12:16       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87642        | 08/05/24 12:16       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87624        | 08/06/24 00:11       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 87468        | 08/05/24 09:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87517        | 08/06/24 00:11       | TKC     | EET MID |

Client Sample ID: CSB-088-3.0-20240802  
Date Collected: 08/02/24 09:20  
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 87470        | 08/05/24 09:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87457        | 08/05/24 12:37       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87642        | 08/05/24 12:37       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87624        | 08/06/24 00:27       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 87468        | 08/05/24 09:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87517        | 08/06/24 00:27       | TKC     | EET MID |

Client Sample ID: CSB-089-3.0-20240802  
Date Collected: 08/02/24 09:35  
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 87470        | 08/05/24 09:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87457        | 08/05/24 12:58       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87642        | 08/05/24 12:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87624        | 08/06/24 00:44       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 87468        | 08/05/24 09:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87517        | 08/06/24 00:44       | TKC     | EET MID |

Eurofins Midland



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

Client Sample ID: CSB-098-3.0-20240802

Lab Sample ID: 880-46842-5

Date Collected: 08/02/24 10:15

Matrix: Solid

Date Received: 08/05/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 87470        | 08/05/24 09:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87457        | 08/05/24 13:18       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87642        | 08/05/24 13:18       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87624        | 08/06/24 01:00       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 87468        | 08/05/24 09:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87517        | 08/06/24 01:00       | TKC     | EET MID |

Client Sample ID: CSB-105-3.0-20240802

Lab Sample ID: 880-46842-6

Date Collected: 08/02/24 11:00

Matrix: Solid

Date Received: 08/05/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 87470        | 08/05/24 09:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87457        | 08/05/24 13:39       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87642        | 08/05/24 13:39       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87624        | 08/06/24 01:16       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 87468        | 08/05/24 09:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87517        | 08/06/24 01:16       | TKC     | EET MID |

Client Sample ID: CSB-090-3.5-20240802

Lab Sample ID: 880-46842-7

Date Collected: 08/02/24 12:55

Matrix: Solid

Date Received: 08/05/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 87470        | 08/05/24 09:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87457        | 08/05/24 13:59       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87642        | 08/05/24 13:59       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87624        | 08/06/24 01:33       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 87468        | 08/05/24 09:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87517        | 08/06/24 01:33       | TKC     | EET MID |

Client Sample ID: CSB-079-3.5-20240802

Lab Sample ID: 880-46842-8

Date Collected: 08/02/24 13:10

Matrix: Solid

Date Received: 08/05/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 87470        | 08/05/24 09:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87457        | 08/05/24 14:20       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87642        | 08/05/24 14:20       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87624        | 08/06/24 01:50       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.07 g        | 10 mL        | 87468        | 08/05/24 09:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87517        | 08/06/24 01:50       | TKC     | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

Client Sample ID: CSB-097-3.5-20240802  
Date Collected: 08/02/24 13:25  
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-9  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 87470        | 08/05/24 09:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87457        | 08/05/24 14:40       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87642        | 08/05/24 14:40       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87624        | 08/06/24 02:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.09 g        | 10 mL        | 87468        | 08/05/24 09:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87517        | 08/06/24 02:22       | TKC     | EET MID |

Client Sample ID: CSB-103-3.5-20240802  
Date Collected: 08/02/24 13:40  
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-10  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 87470        | 08/05/24 09:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87457        | 08/05/24 15:01       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87642        | 08/05/24 15:01       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87624        | 08/06/24 02:39       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 87468        | 08/05/24 09:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87517        | 08/06/24 02:39       | TKC     | EET MID |

Client Sample ID: CSB-104-3.5-20240802  
Date Collected: 08/02/24 13:50  
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-11  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 87470        | 08/05/24 09:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87457        | 08/05/24 16:35       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87642        | 08/05/24 16:35       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87624        | 08/06/24 02:55       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 87468        | 08/05/24 09:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87517        | 08/06/24 02:55       | TKC     | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |



Method Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

| Method      | Method Description               | Protocol | Laboratory |
|-------------|----------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)  | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation           | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 5035        | Closed System Purge and Trap     | SW846    | EET MID    |
| 8015NM Prep | Microextraction                  | SW846    | EET MID    |

**Protocol References:**  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       | Depth |
|---------------|----------------------|--------|----------------|----------------|-------|
| 880-46842-1   | CSB-080-3.0-20240802 | Solid  | 08/02/24 08:50 | 08/05/24 08:00 | 3.0   |
| 880-46842-2   | CSB-081-3.0-20240802 | Solid  | 08/02/24 09:05 | 08/05/24 08:00 | 3.0   |
| 880-46842-3   | CSB-088-3.0-20240802 | Solid  | 08/02/24 09:20 | 08/05/24 08:00 | 3.0   |
| 880-46842-4   | CSB-089-3.0-20240802 | Solid  | 08/02/24 09:35 | 08/05/24 08:00 | 3.0   |
| 880-46842-5   | CSB-098-3.0-20240802 | Solid  | 08/02/24 10:15 | 08/05/24 08:00 | 3.0   |
| 880-46842-6   | CSB-105-3.0-20240802 | Solid  | 08/02/24 11:00 | 08/05/24 08:00 | 3.0   |
| 880-46842-7   | CSB-090-3.5-20240802 | Solid  | 08/02/24 12:55 | 08/05/24 08:00 | 3.5   |
| 880-46842-8   | CSB-079-3.5-20240802 | Solid  | 08/02/24 13:10 | 08/05/24 08:00 | 3.5   |
| 880-46842-9   | CSB-097-3.5-20240802 | Solid  | 08/02/24 13:25 | 08/05/24 08:00 | 3.5   |
| 880-46842-10  | CSB-103-3.5-20240802 | Solid  | 08/02/24 13:40 | 08/05/24 08:00 | 3.5   |
| 880-46842-11  | CSB-104-3.5-20240802 | Solid  | 08/02/24 13:50 | 08/05/24 08:00 | 3.5   |

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## Environment Testing

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
 El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5060

Wor

880-46842 Chain of Custody

Page 1 of 2



|                  |                         |                         |                        |
|------------------|-------------------------|-------------------------|------------------------|
| Project Manager: | Brad Wyne               | Bill to: (if different) |                        |
| Company Name:    | AECOM                   | Company Name:           |                        |
| Address:         | 13355 Noel Rd Suite 400 | Address:                |                        |
| City, State ZIP: | Dallas, TX 75240        | City, State ZIP:        |                        |
| Phone:           | 214-971-1929            | Email:                  | Bradley.Wyne@aecom.com |

|                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                              |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project: NM                                                                                                                                                             |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

|                          |                                                                     |                                                                           |                                                                     |
|--------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------|
| Project Name:            | Ameo GTP                                                            | Turn Around                                                               |                                                                     |
| Project Number:          | 60734207                                                            | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |                                                                     |
| Project Location:        | Louing, NM                                                          | Due Date:                                                                 | 24 hrs                                                              |
| Sampler's Name:          | J. Passmore                                                         | TAT starts the day received by the lab, if received by 4:30pm             |                                                                     |
| PO #:                    |                                                                     |                                                                           |                                                                     |
| SAMPLE RECEIPT           |                                                                     | Temp Blank:                                                               | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Samples Received Intact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID:                                                           | 128                                                                 |
| Cooler Custody Seals:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Correction Factor:                                                        | -1                                                                  |
| Sample Custody Seals:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Temperature Reading:                                                      | 0.8                                                                 |
| Total Containers:        |                                                                     | Corrected Temperature:                                                    | 0.7                                                                 |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters        |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-------------------|
| CSB-090-3.0-20240902  | Soil   | 9/2/24       | 0850         | 3.0   | C         | 1         | Chlorides - 24 hr |
| CSB-091-3.0-20240902  | Soil   | 9/2/24       | 0905         | 3.0   | C         | 1         | BTEX - 3 days     |
| CSB-092-3.0-20240902  | Soil   | 9/2/24       | 0910         | 3.0   | C         | 1         | PH - 3 days       |
| CSB-093-3.0-20240902  | Soil   | 9/2/24       | 0935         | 3.0   | C         | 1         |                   |
| CSB-094-3.0-20240902  | Soil   | 9/2/24       | 1015         | 3.0   | C         | 1         |                   |
| CSB-105-3.0-20240902  | Soil   | 9/2/24       | 1100         | 3.0   | C         | 1         |                   |
| CSB-090-3.5-20240902  | Soil   | 9/2/24       | 1255         | 3.5   | C         | 1         |                   |
| CSB-097-3.5-20240902  | Soil   | 9/2/24       | 1310         | 3.5   | C         | 1         |                   |
| CSB-097-3.5-20240902  | Soil   | 9/2/24       | 1325         | 3.5   | C         | 1         |                   |
| CSB-103-3.5-20240902  | Soil   | 9/2/24       | 1340         | 3.5   | C         | 1         |                   |

|                                                                        |               |                      |                                                        |                                |
|------------------------------------------------------------------------|---------------|----------------------|--------------------------------------------------------|--------------------------------|
| Total 200.7 / 6010                                                     | 200.8 / 6020: | 8RCRA 13PPM Texas 11 | Al Sb As Ba Be B Cd Ca Cr Co Cu Pb Mn Mo Ni Se Ag Tl U | Hg: 1631 / 245.1 / 7470 / 7471 |
| Circle Method(s) and Metal(s) to be analyzed                           |               |                      |                                                        |                                |
| TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U |               |                      |                                                        |                                |

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time  | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|------------|------------------------------|--------------------------|-----------|
| <i>Paul A. Aecom</i>         | <i>[Signature]</i>       | 9/5/24 800 |                              |                          |           |
|                              |                          |            |                              |                          |           |
|                              |                          |            |                              |                          |           |
|                              |                          |            |                              |                          |           |





## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3189  
Little Rock, AR (501) 224-5060

## Chain of Custody

**Work Order No:**

7642

Page 2 of 2

|                  |                         |        |                        |                         |  |
|------------------|-------------------------|--------|------------------------|-------------------------|--|
| Project Manager: | Brad Wynn               |        |                        | Bill to: (if different) |  |
| Company Name:    | AECOM                   |        |                        | Company Name:           |  |
| Address:         | 13355 Noel Rd Suite 400 |        |                        | Address:                |  |
| City, State ZIP: | Dallas, TX 75240        |        |                        | City, State ZIP:        |  |
| Phone:           | 214-971-1829            | Email: | Bradley.Wynn@aecom.com |                         |  |

**Work Order Comments**

**Program:** UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

**State of Project:** NM

**Reporting:** Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

**Deliverables:** EDD ☒ ADAPT ☐ Other: \_\_\_\_\_

[illegible]



Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46842-1

SDG Number: Loving, NM

Login Number: 46842

List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/6/2024 10:49:47 AM

## JOB DESCRIPTION

Amoco Site  
Loving, NM

## JOB NUMBER

880-46842-2

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/6/2024 10:49:47 AM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco Site

Laboratory Job ID: 880-46842-2  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-2  
SDG: Loving, NM

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco Site

Job ID: 880-46842-2

**Job ID: 880-46842-2**

**Eurofins Midland**

### Job Narrative 880-46842-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/5/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-080-3.0-20240802 (880-46842-1), CSB-081-3.0-20240802 (880-46842-2), CSB-088-3.0-20240802 (880-46842-3), CSB-089-3.0-20240802 (880-46842-4), CSB-098-3.0-20240802 (880-46842-5), CSB-105-3.0-20240802 (880-46842-6), CSB-090-3.5-20240802 (880-46842-7), CSB-079-3.5-20240802 (880-46842-8), CSB-097-3.5-20240802 (880-46842-9), CSB-103-3.5-20240802 (880-46842-10) and CSB-104-3.5-20240802 (880-46842-11).

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-2  
SDG: Loving, NM

**Client Sample ID: CSB-080-3.0-20240802****Lab Sample ID: 880-46842-1**

Date Collected: 08/02/24 08:50

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.0

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1240   |           | 24.8 | mg/Kg |   |          | 08/06/24 04:30 | 5       |

**Client Sample ID: CSB-081-3.0-20240802****Lab Sample ID: 880-46842-2**

Date Collected: 08/02/24 09:05

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.0

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1070   |           | 4.96 | mg/Kg |   |          | 08/06/24 04:45 | 1       |

**Client Sample ID: CSB-088-3.0-20240802****Lab Sample ID: 880-46842-3**

Date Collected: 08/02/24 09:20

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.0

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1610   |           | 24.9 | mg/Kg |   |          | 08/06/24 04:50 | 5       |

**Client Sample ID: CSB-089-3.0-20240802****Lab Sample ID: 880-46842-4**

Date Collected: 08/02/24 09:35

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.0

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1480   |           | 5.02 | mg/Kg |   |          | 08/06/24 04:56 | 1       |

**Client Sample ID: CSB-098-3.0-20240802****Lab Sample ID: 880-46842-5**

Date Collected: 08/02/24 10:15

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.0

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 2120   |           | 24.9 | mg/Kg |   |          | 08/06/24 05:01 | 5       |

**Client Sample ID: CSB-105-3.0-20240802****Lab Sample ID: 880-46842-6**

Date Collected: 08/02/24 11:00

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.0

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 860    |           | 24.9 | mg/Kg |   |          | 08/06/24 05:17 | 5       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-2  
SDG: Loving, NM

Client Sample ID: CSB-090-3.5-20240802

Lab Sample ID: 880-46842-7

Date Collected: 08/02/24 12:55

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1370   |           | 25.1 | mg/Kg |   |          | 08/06/24 05:22 | 5       |

Client Sample ID: CSB-079-3.5-20240802

Lab Sample ID: 880-46842-8

Date Collected: 08/02/24 13:10

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1360   |           | 25.1 | mg/Kg |   |          | 08/06/24 05:27 | 5       |

Client Sample ID: CSB-097-3.5-20240802

Lab Sample ID: 880-46842-9

Date Collected: 08/02/24 13:25

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1810   |           | 25.0 | mg/Kg |   |          | 08/06/24 05:33 | 5       |

Client Sample ID: CSB-103-3.5-20240802

Lab Sample ID: 880-46842-10

Date Collected: 08/02/24 13:40

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1120   |           | 24.9 | mg/Kg |   |          | 08/06/24 05:38 | 5       |

Client Sample ID: CSB-104-3.5-20240802

Lab Sample ID: 880-46842-11

Date Collected: 08/02/24 13:50

Matrix: Solid

Date Received: 08/05/24 08:00

Sample Depth: 3.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1600   |           | 24.9 | mg/Kg |   |          | 08/06/24 05:43 | 5       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-2  
SDG: Loving, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87569/1-A

Matrix: Solid

Analysis Batch: 87570

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 | mg/Kg |   |          | 08/06/24 04:14 | 1       |

Lab Sample ID: LCS 880-87569/2-A

Matrix: Solid

Analysis Batch: 87570

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 240.4         |                  | mg/Kg |   | 96   | 90 - 110       |

Lab Sample ID: LCSD 880-87569/3-A

Matrix: Solid

Analysis Batch: 87570

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 241.0          |                   | mg/Kg |   | 96   | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-46842-1 MS

Matrix: Solid

Analysis Batch: 87570

Client Sample ID: CSB-080-3.0-20240802

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 1240             |                     | 1240           | 2535         |                 | mg/Kg |   | 104  | 90 - 110       |

Lab Sample ID: 880-46842-1 MSD

Matrix: Solid

Analysis Batch: 87570

Client Sample ID: CSB-080-3.0-20240802

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 1240             |                     | 1240           | 2552          |                  | mg/Kg |   | 106  | 90 - 110       | 1   | 20           |

Lab Sample ID: 880-46842-11 MS

Matrix: Solid

Analysis Batch: 87570

Client Sample ID: CSB-104-3.5-20240802

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 1600             |                     | 1250           | 2731         |                 | mg/Kg |   | 91   | 90 - 110       |

Lab Sample ID: 880-46842-11 MSD

Matrix: Solid

Analysis Batch: 87570

Client Sample ID: CSB-104-3.5-20240802

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 1600             |                     | 1250           | 2729          |                  | mg/Kg |   | 91   | 90 - 110       | 0   | 20           |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-2  
SDG: Loving, NM

## HPLC/IC

## Leach Batch: 87569

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46842-1        | CSB-080-3.0-20240802   | Soluble   | Solid  | DI Leach |            |
| 880-46842-2        | CSB-081-3.0-20240802   | Soluble   | Solid  | DI Leach |            |
| 880-46842-3        | CSB-088-3.0-20240802   | Soluble   | Solid  | DI Leach |            |
| 880-46842-4        | CSB-089-3.0-20240802   | Soluble   | Solid  | DI Leach |            |
| 880-46842-5        | CSB-098-3.0-20240802   | Soluble   | Solid  | DI Leach |            |
| 880-46842-6        | CSB-105-3.0-20240802   | Soluble   | Solid  | DI Leach |            |
| 880-46842-7        | CSB-090-3.5-20240802   | Soluble   | Solid  | DI Leach |            |
| 880-46842-8        | CSB-079-3.5-20240802   | Soluble   | Solid  | DI Leach |            |
| 880-46842-9        | CSB-097-3.5-20240802   | Soluble   | Solid  | DI Leach |            |
| 880-46842-10       | CSB-103-3.5-20240802   | Soluble   | Solid  | DI Leach |            |
| 880-46842-11       | CSB-104-3.5-20240802   | Soluble   | Solid  | DI Leach |            |
| MB 880-87569/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-87569/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-87569/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-46842-1 MS     | CSB-080-3.0-20240802   | Soluble   | Solid  | DI Leach |            |
| 880-46842-1 MSD    | CSB-080-3.0-20240802   | Soluble   | Solid  | DI Leach |            |
| 880-46842-11 MS    | CSB-104-3.5-20240802   | Soluble   | Solid  | DI Leach |            |
| 880-46842-11 MSD   | CSB-104-3.5-20240802   | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 87570

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46842-1        | CSB-080-3.0-20240802   | Soluble   | Solid  | 300.0  | 87569      |
| 880-46842-2        | CSB-081-3.0-20240802   | Soluble   | Solid  | 300.0  | 87569      |
| 880-46842-3        | CSB-088-3.0-20240802   | Soluble   | Solid  | 300.0  | 87569      |
| 880-46842-4        | CSB-089-3.0-20240802   | Soluble   | Solid  | 300.0  | 87569      |
| 880-46842-5        | CSB-098-3.0-20240802   | Soluble   | Solid  | 300.0  | 87569      |
| 880-46842-6        | CSB-105-3.0-20240802   | Soluble   | Solid  | 300.0  | 87569      |
| 880-46842-7        | CSB-090-3.5-20240802   | Soluble   | Solid  | 300.0  | 87569      |
| 880-46842-8        | CSB-079-3.5-20240802   | Soluble   | Solid  | 300.0  | 87569      |
| 880-46842-9        | CSB-097-3.5-20240802   | Soluble   | Solid  | 300.0  | 87569      |
| 880-46842-10       | CSB-103-3.5-20240802   | Soluble   | Solid  | 300.0  | 87569      |
| 880-46842-11       | CSB-104-3.5-20240802   | Soluble   | Solid  | 300.0  | 87569      |
| MB 880-87569/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 87569      |
| LCS 880-87569/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 87569      |
| LCSD 880-87569/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 87569      |
| 880-46842-1 MS     | CSB-080-3.0-20240802   | Soluble   | Solid  | 300.0  | 87569      |
| 880-46842-1 MSD    | CSB-080-3.0-20240802   | Soluble   | Solid  | 300.0  | 87569      |
| 880-46842-11 MS    | CSB-104-3.5-20240802   | Soluble   | Solid  | 300.0  | 87569      |
| 880-46842-11 MSD   | CSB-104-3.5-20240802   | Soluble   | Solid  | 300.0  | 87569      |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-2  
SDG: Loving, NM

Client Sample ID: CSB-080-3.0-20240802  
Date Collected: 08/02/24 08:50  
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 87569        | 08/05/24 16:16       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87570        | 08/06/24 04:30       | CH      | EET MID |

Client Sample ID: CSB-081-3.0-20240802  
Date Collected: 08/02/24 09:05  
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 87569        | 08/05/24 16:16       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87570        | 08/06/24 04:45       | CH      | EET MID |

Client Sample ID: CSB-088-3.0-20240802  
Date Collected: 08/02/24 09:20  
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87569        | 08/05/24 16:16       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87570        | 08/06/24 04:50       | CH      | EET MID |

Client Sample ID: CSB-089-3.0-20240802  
Date Collected: 08/02/24 09:35  
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87569        | 08/05/24 16:16       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87570        | 08/06/24 04:56       | CH      | EET MID |

Client Sample ID: CSB-098-3.0-20240802  
Date Collected: 08/02/24 10:15  
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 87569        | 08/05/24 16:16       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87570        | 08/06/24 05:01       | CH      | EET MID |

Client Sample ID: CSB-105-3.0-20240802  
Date Collected: 08/02/24 11:00  
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-6  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87569        | 08/05/24 16:16       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87570        | 08/06/24 05:17       | CH      | EET MID |



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-2  
SDG: Loving, NM

Client Sample ID: CSB-090-3.5-20240802

Lab Sample ID: 880-46842-7

Date Collected: 08/02/24 12:55

Matrix: Solid

Date Received: 08/05/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87569        | 08/05/24 16:16       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87570        | 08/06/24 05:22       | CH      | EET MID |

Client Sample ID: CSB-079-3.5-20240802

Lab Sample ID: 880-46842-8

Date Collected: 08/02/24 13:10

Matrix: Solid

Date Received: 08/05/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 87569        | 08/05/24 16:16       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87570        | 08/06/24 05:27       | CH      | EET MID |

Client Sample ID: CSB-097-3.5-20240802

Lab Sample ID: 880-46842-9

Date Collected: 08/02/24 13:25

Matrix: Solid

Date Received: 08/05/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 87569        | 08/05/24 16:16       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87570        | 08/06/24 05:33       | CH      | EET MID |

Client Sample ID: CSB-103-3.5-20240802

Lab Sample ID: 880-46842-10

Date Collected: 08/02/24 13:40

Matrix: Solid

Date Received: 08/05/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 87569        | 08/05/24 16:16       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87570        | 08/06/24 05:38       | CH      | EET MID |

Client Sample ID: CSB-104-3.5-20240802

Lab Sample ID: 880-46842-11

Date Collected: 08/02/24 13:50

Matrix: Solid

Date Received: 08/05/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87569        | 08/05/24 16:16       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87570        | 08/06/24 05:43       | CH      | EET MID |

## Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-2  
SDG: Loving, NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

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Method Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-2  
SDG: Loving, NM

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

- Protocol References:**
- ASTM = ASTM International
  - EPA = US Environmental Protection Agency
- Laboratory References:**
- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: AECOM  
Project/Site: Amoco Site

Job ID: 880-46842-2  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       | Depth |
|---------------|----------------------|--------|----------------|----------------|-------|
| 880-46842-1   | CSB-080-3.0-20240802 | Solid  | 08/02/24 08:50 | 08/05/24 08:00 | 3.0   |
| 880-46842-2   | CSB-081-3.0-20240802 | Solid  | 08/02/24 09:05 | 08/05/24 08:00 | 3.0   |
| 880-46842-3   | CSB-088-3.0-20240802 | Solid  | 08/02/24 09:20 | 08/05/24 08:00 | 3.0   |
| 880-46842-4   | CSB-089-3.0-20240802 | Solid  | 08/02/24 09:35 | 08/05/24 08:00 | 3.0   |
| 880-46842-5   | CSB-098-3.0-20240802 | Solid  | 08/02/24 10:15 | 08/05/24 08:00 | 3.0   |
| 880-46842-6   | CSB-105-3.0-20240802 | Solid  | 08/02/24 11:00 | 08/05/24 08:00 | 3.0   |
| 880-46842-7   | CSB-090-3.5-20240802 | Solid  | 08/02/24 12:55 | 08/05/24 08:00 | 3.5   |
| 880-46842-8   | CSB-079-3.5-20240802 | Solid  | 08/02/24 13:10 | 08/05/24 08:00 | 3.5   |
| 880-46842-9   | CSB-097-3.5-20240802 | Solid  | 08/02/24 13:25 | 08/05/24 08:00 | 3.5   |
| 880-46842-10  | CSB-103-3.5-20240802 | Solid  | 08/02/24 13:40 | 08/05/24 08:00 | 3.5   |
| 880-46842-11  | CSB-104-3.5-20240802 | Solid  | 08/02/24 13:50 | 08/05/24 08:00 | 3.5   |





## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-5443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3189  
Little Rock, AR (501) 224-5060

## Chain of Custody

**Wor**

880-46842 Chain of Custody

Page 1 of 2

|                  |                         |        |                         |  |
|------------------|-------------------------|--------|-------------------------|--|
| Project Manager: | Brad WYME               |        | Bill to: (if different) |  |
| Company Name:    | AE com                  |        | Company Name:           |  |
| Address:         | 13355 WOOD Rd Suite 400 |        | Address:                |  |
| City, State ZIP: | Dallas, TX 75240        |        | City, State ZIP:        |  |
| Phone:           | 214-971-1929            | Email: | Bradley.wyme@aecom.com  |  |

| Work Order Comments                                                                                                                                                              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project: NM                                                                                                                                                             |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____                                                                                |  |

| ANALYSIS REQUEST         |             |                                                                           |                |               |                        |                |           |                   |  | Preservative Codes                              |                            |
|--------------------------|-------------|---------------------------------------------------------------------------|----------------|---------------|------------------------|----------------|-----------|-------------------|--|-------------------------------------------------|----------------------------|
| Project Name:            | Amoco CTP   | Tum Around                                                                | Pres. Code     |               |                        |                |           |                   |  | None: NO                                        | DI Water: H <sub>2</sub> O |
| Project Number:          | 60734237    | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |                |               |                        |                |           |                   |  | Cool: Cool                                      | MeOH: Me                   |
| Project Location:        | LOUING, NM  | Due Date:                                                                 | 24 hrs         |               |                        |                |           |                   |  | HCL: HC                                         | HNO <sub>3</sub>           |
| Sampler's Name:          | J. Passmore | TAT starts the day received by the lab, if received by 4:30pm             |                |               |                        |                |           |                   |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na                   |
| PO #:                    |             |                                                                           |                |               |                        |                |           |                   |  |                                                 |                            |
| <b>SAMPLE RECEIPT</b>    |             |                                                                           | Temp Blank:    | Yes <u>NO</u> | Wet Ice:               | Yes <u>YES</u> | No        |                   |  |                                                 |                            |
| Samples Received Intact: |             |                                                                           | Yes <u>YES</u> | No            | Thermometer ID:        |                |           |                   |  |                                                 |                            |
| Cooler Custody Seals:    |             |                                                                           | Yes            | No            | Correction Factor:     |                |           |                   |  |                                                 |                            |
| Sample Custody Seals:    |             |                                                                           | Yes            | No            | Temperature Reading:   |                |           |                   |  |                                                 |                            |
| Total Containers:        |             |                                                                           |                |               | Corrected Temperature: |                |           |                   |  |                                                 |                            |
| Sample Identification    |             | Matrix                                                                    | Date Sampled   | Time Sampled  | Depth                  | Grab Comp      | # of Cont | Parameters        |  |                                                 |                            |
| CSD-080-3.0-2040802      | Soil        |                                                                           | 9/2/14         | 0850          | 3.0                    | C              | 2         | Chlorides - 24 hr |  |                                                 |                            |
| CSD-081-3.0-20410802     | Soil        |                                                                           | 9/4/14         | 0905          | 3.0                    | C              | 2         | BTEX - 3 days     |  |                                                 |                            |
| CSD-094-3.0-20410802     | Soil        |                                                                           | 9/2/14         | 0920          | 3.0                    | C              | 1         | pH - 3 days       |  |                                                 |                            |
| CSD-094-3.0-2040802      | Soil        |                                                                           | 9/2/14         | 0935          | 3.0                    | C              | 1         |                   |  |                                                 |                            |
| CSD-094-3.0-2040802      | Soil        |                                                                           | 9/2/14         | 1015          | 3.0                    | C              | 1         |                   |  |                                                 |                            |
| CSD-105-3.0-2040802      | Soil        |                                                                           | 9/2/14         | 1100          | 3.0                    | C              | 1         |                   |  |                                                 |                            |
| CSD-090-3.5-2040802      | Soil        |                                                                           | 9/2/14         | 1255          | 3.5                    | C              | 1         |                   |  |                                                 |                            |
| CSD-094-3.5-2040802      | Soil        |                                                                           | 9/2/14         | 1310          | 3.5                    | C              | 1         |                   |  |                                                 |                            |
| CSD-097-3.5-2040802      | Soil        |                                                                           | 9/2/14         | 1325          | 3.5                    | C              | 1         |                   |  |                                                 |                            |
| CSD-103-3.5-2040802      | Soil        |                                                                           | 9/2/14         | 1340          | 3.5                    | C              | 1         |                   |  |                                                 |                            |

**Notas:** Signatura de this document is fulfillment of samples constitutes a valid purchase order from client company to Eurofins Xenno. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenno will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenno. A minimum charge of \$55.00 will be applied to each project and a charge of \$3 for each sample submitted to Eurofins Xenno, but not analyzed. These terms will be enforced unless previously negotiated.

| Total 200.7 / 6010                                                     | 200.0 / 6020:                                                                                 |                                |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------|
| 8RCRA 13PPM Texas 11                                                   | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |                                |
| TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U |                                                                                               | Hg: 1631 / 245.1 / 7470 / 7471 |

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time     | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|---------------|------------------------------|--------------------------|-----------|
| <i>[Signature]</i>           | <i>[Signature]</i>       | 9/24/12 16:30 |                              |                          |           |
|                              |                          |               |                              |                          |           |
|                              |                          |               |                              |                          |           |
|                              |                          |               |                              |                          |           |
|                              |                          |               |                              |                          |           |





## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3189  
Little Rock, AR (501) 224-5060

## Chain of Custody

**Work Order No:**

7642

Page 2 of 2

|                  |                         |        |                        |                         |  |
|------------------|-------------------------|--------|------------------------|-------------------------|--|
| Project Manager: | Brad Wynn               |        |                        | Bill to: (if different) |  |
| Company Name:    | AECOM                   |        |                        | Company Name:           |  |
| Address:         | 13355 Noel Rd Suite 400 |        |                        | Address:                |  |
| City, State ZIP: | Dallas, TX 75240        |        |                        | City, State ZIP:        |  |
| Phone:           | 214-971-1829            | Email: | Bradley.Wynn@aecom.com |                         |  |

**Work Order Comments**

**Program:** UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

**State of Project:** NM

**Reporting:** Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

**Deliverables:** EDD ☒ ADAPT ☐ Other: \_\_\_\_\_

|                          |  |  |  |               |  |                                                                              |  |                        |  |            |  |                  |  |  |  |  |  |  |  |  |  |                                                                   |  |                            |
|--------------------------|--|--|--|---------------|--|------------------------------------------------------------------------------|--|------------------------|--|------------|--|------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------|--|----------------------------|
| Project Name:            |  |  |  | Amoco CTS     |  | Turn Around                                                                  |  |                        |  | Pres. Code |  | ANALYSIS REQUEST |  |  |  |  |  |  |  |  |  | Preservative Codes                                                |  |                            |
| Project Number:          |  |  |  | 60734207      |  | <input type="checkbox"/> Routine<br><input checked="" type="checkbox"/> Rush |  |                        |  |            |  |                  |  |  |  |  |  |  |  |  |  | None: NO                                                          |  | DI Water: H <sub>2</sub> O |
| Project Location:        |  |  |  | Covington, NM |  | Due Date:                                                                    |  | 24 hrs                 |  |            |  |                  |  |  |  |  |  |  |  |  |  | Cool: Cool                                                        |  | MeOH: Me                   |
| Sampler's Name:          |  |  |  | J. Passmore   |  | TAT starts the day received by the lab, if received by 4:30pm                |  |                        |  |            |  |                  |  |  |  |  |  |  |  |  |  | HCL: HC                                                           |  | HNO <sub>3</sub>           |
| PO #:                    |  |  |  |               |  |                                                                              |  |                        |  |            |  |                  |  |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |  | NaOH: Na                   |
| SAMPLE RECEIPT           |  |  |  | Temp Blank:   |  | Yes No                                                                       |  | Thermometer ID:        |  | Yes No     |  |                  |  |  |  |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |  |                            |
| Samples Received Intact: |  |  |  | Yes No        |  |                                                                              |  | Correction Factor:     |  |            |  |                  |  |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS                                        |  |                            |
| Cooler Custody Seals:    |  |  |  | Yes No        |  | N/A                                                                          |  | Temperature Reading:   |  |            |  |                  |  |  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |                            |
| Sample Custody Seals:    |  |  |  | Yes No        |  | N/A                                                                          |  | Corrected Temperature: |  |            |  |                  |  |  |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn                                               |  |                            |
| Total Containers:        |  |  |  |               |  |                                                                              |  |                        |  |            |  |                  |  |  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid: SAPC                                          |  |                            |

[illegible]

| Total                                                                   | 200.7 / 6010 | 200.9 / 6020: |                                                                                               |
|-------------------------------------------------------------------------|--------------|---------------|-----------------------------------------------------------------------------------------------|
| 8RCRA                                                                   | 13PPM        | Texas 11      | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| TCPLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U |              |               | Hg: 1631 / 245.1 / 7470 / 7471                                                                |

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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time     | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|---------------|------------------------------|--------------------------|-----------|
| 1 <i>[Signature]</i> - AECOM | <i>[Signature]</i>       | 8/12/24 16:30 | 2                            |                          |           |
| 3                            |                          |               | 4                            |                          |           |
| 5                            |                          |               | 6                            |                          |           |



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46842-2

SDG Number: Loving, NM

Login Number: 46842

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/8/2024 12:41:26 PM Revision 2

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-46890-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



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Revision 2



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-46890-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| U         | Indicates the analyte was analyzed for but not detected. |

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-46890-1

**Job ID: 880-46890-1**

**Eurofins Midland**

### Job Narrative 880-46890-1

#### REVISION

The report being provided is a revision of the original report sent on 8/8/2024. The report (revision 2) is being revised due to Per client email, requesting sample ID corrections.

#### Report revision history

Revision 1 - 8/8/2024 - Reason - Per client email, requesting sample ID correction.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### **Receipt**

The samples were received on 8/6/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C.

#### **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-040-3.5-20240805 (880-46890-1), CSB-041-3.5-20240805 (880-46890-2), CSB-042-3.5-20240805 (880-46890-3), CSB-095-4.0-20240805 (880-46890-4), CSB-086-4.0-20240805 (880-46890-5), CSW-06-0-2-20240805 (880-46890-6), CSB-068-4.0-20240805 (880-46890-7), CSB-077-4.0-20240805 (880-46890-8), CSW-07-0-2-20240805 (880-46890-9), CSB-109-4.0-20240805 (880-46890-10), CSB-108-4.0-20240805 (880-46890-11), CSW-09-0-2-20240805 (880-46890-12), CSW-04-0-2-20240805 (880-46890-13), CSB-060-3.5-20240805 (880-46890-14), CSW-08-0-2-20240805 (880-46890-15), CSB-087-4.0-20240805 (880-46890-16) and CSB-069-4.0-20240805 (880-46890-17).

#### **GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### **Diesel Range Organics**

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-87608 and analytical batch 880-87677 was outside the control limits.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-87677/6). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### **HPLC/IC**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

Client Sample ID: CSB-040-3.5-20240805

Lab Sample ID: 880-46890-1

Date Collected: 08/05/24 09:40

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 3.5

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 18:24 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 18:24 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 18:24 | 1       |
| m-Xylene & p-Xylene | <0.00400 | U         | 0.00400 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 18:24 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 18:24 | 1       |
| Xylenes, Total      | <0.00400 | U         | 0.00400 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 18:24 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 | 08/06/24 09:24 | 08/06/24 18:24 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 | 08/06/24 09:24 | 08/06/24 18:24 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 08/06/24 18:24 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 | mg/Kg |   |          | 08/06/24 17:45 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7  | U         | 49.7 | mg/Kg |   | 08/06/24 10:12 | 08/06/24 17:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7  | U         | 49.7 | mg/Kg |   | 08/06/24 10:12 | 08/06/24 17:45 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7  | U         | 49.7 | mg/Kg |   | 08/06/24 10:12 | 08/06/24 17:45 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 111       |           | 70 - 130 | 08/06/24 10:12 | 08/06/24 17:45 | 1       |
| o-Terphenyl    | 97        |           | 70 - 130 | 08/06/24 10:12 | 08/06/24 17:45 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 101    |           | 4.97 | mg/Kg |   |          | 08/06/24 22:28 | 1       |

Client Sample ID: CSB-041-3.5-20240805

Lab Sample ID: 880-46890-2

Date Collected: 08/05/24 09:55

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 3.5

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 | mg/Kg |   |          | 08/06/24 18:02 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7  | U         | 49.7 | mg/Kg |   | 08/06/24 10:12 | 08/06/24 18:02 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7  | U         | 49.7 | mg/Kg |   | 08/06/24 10:12 | 08/06/24 18:02 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7  | U         | 49.7 | mg/Kg |   | 08/06/24 10:12 | 08/06/24 18:02 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

Client Sample ID: CSB-041-3.5-20240805

Lab Sample ID: 880-46890-2

Date Collected: 08/05/24 09:55

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 3.5

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 97        |           | 70 - 130 | 08/06/24 10:12 | 08/06/24 18:02 | 1       |
| o-Terphenyl    | 88        |           | 70 - 130 | 08/06/24 10:12 | 08/06/24 18:02 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 70.8   |           | 4.96 | mg/Kg |   |          | 08/06/24 22:43 | 1       |

Client Sample ID: CSB-042-3.5-20240805

Lab Sample ID: 880-46890-3

Date Collected: 08/05/24 10:10

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 3.5

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 18:45 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 18:45 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 18:45 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 18:45 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 18:45 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 18:45 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 | 08/06/24 09:24 | 08/06/24 18:45 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 | 08/06/24 09:24 | 08/06/24 18:45 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 08/06/24 18:45 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 08/06/24 18:18 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 08/06/24 10:12 | 08/06/24 18:18 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 08/06/24 10:12 | 08/06/24 18:18 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 08/06/24 10:12 | 08/06/24 18:18 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 108       |           | 70 - 130 | 08/06/24 10:12 | 08/06/24 18:18 | 1       |
| o-Terphenyl    | 93        |           | 70 - 130 | 08/06/24 10:12 | 08/06/24 18:18 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 80.4   |           | 4.98 | mg/Kg |   |          | 08/06/24 22:48 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

**Client Sample ID: CSB-095-4.0-20240805****Lab Sample ID: 880-46890-4**

Date Collected: 08/05/24 11:15

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 4.0

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1080   |           | 5.05 | mg/Kg |   |          | 08/06/24 22:54 | 1       |

**Client Sample ID: CSB-086-4.0-20240805****Lab Sample ID: 880-46890-5**

Date Collected: 08/05/24 11:30

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 4.0

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1090   |           | 4.98 | mg/Kg |   |          | 08/06/24 22:59 | 1       |

**Client Sample ID: CSW-06-0-2-20240805****Lab Sample ID: 880-46890-6**

Date Collected: 08/05/24 11:45

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 0-2

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 590    |           | 4.96 | mg/Kg |   |          | 08/06/24 23:15 | 1       |

**Client Sample ID: CSB-068-4.0-20240805****Lab Sample ID: 880-46890-7**

Date Collected: 08/05/24 12:00

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 4.0

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 691    |           | 24.9 | mg/Kg |   |          | 08/06/24 23:20 | 5       |

**Client Sample ID: CSB-077-4.0-20240805****Lab Sample ID: 880-46890-8**

Date Collected: 08/05/24 12:25

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 4.0

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1080   |           | 4.97 | mg/Kg |   |          | 08/06/24 23:25 | 1       |

**Client Sample ID: CSW-07-0-2-20240805****Lab Sample ID: 880-46890-9**

Date Collected: 08/05/24 13:20

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 0-2

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 888    |           | 25.1 | mg/Kg |   |          | 08/06/24 23:30 | 5       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

Client Sample ID: CSB-109-4.0-20240805

Lab Sample ID: 880-46890-10

Date Collected: 08/05/24 13:40

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:05 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:05 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:05 | 1       |
| m-Xylene & p-Xylene | <0.00403 | U         | 0.00403 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:05 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:05 | 1       |
| Xylenes, Total      | <0.00403 | U         | 0.00403 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:05 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 | 08/06/24 09:24 | 08/06/24 19:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 | 08/06/24 09:24 | 08/06/24 19:05 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 | mg/Kg |   |          | 08/06/24 19:05 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.6  | U         | 49.6 | mg/Kg |   |          | 08/06/24 18:34 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.6  | U         | 49.6 | mg/Kg |   | 08/06/24 10:12 | 08/06/24 18:34 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.6  | U         | 49.6 | mg/Kg |   | 08/06/24 10:12 | 08/06/24 18:34 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.6  | U         | 49.6 | mg/Kg |   | 08/06/24 10:12 | 08/06/24 18:34 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 122       |           | 70 - 130 | 08/06/24 10:12 | 08/06/24 18:34 | 1       |
| o-Terphenyl    | 108       |           | 70 - 130 | 08/06/24 10:12 | 08/06/24 18:34 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 759    |           | 25.3 | mg/Kg |   |          | 08/06/24 23:36 | 5       |

Client Sample ID: CSB-108-4.0-20240805

Lab Sample ID: 880-46890-11

Date Collected: 08/05/24 13:55

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:26 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:26 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:26 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:26 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:26 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:26 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 | 08/06/24 09:24 | 08/06/24 19:26 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

Client Sample ID: CSB-108-4.0-20240805

Lab Sample ID: 880-46890-11

Date Collected: 08/05/24 13:55

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 98        |           | 70 - 130 | 08/06/24 09:24 | 08/06/24 19:26 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 08/06/24 19:26 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 08/06/24 18:50 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 08/06/24 10:12 | 08/06/24 18:50 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 08/06/24 10:12 | 08/06/24 18:50 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 08/06/24 10:12 | 08/06/24 18:50 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 123       |           | 70 - 130 |       |   | 08/06/24 10:12 | 08/06/24 18:50 | 1       |
| o-Terphenyl                          | 112       |           | 70 - 130 |       |   | 08/06/24 10:12 | 08/06/24 18:50 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 911    | F1        | 24.9 | mg/Kg |   |          | 08/06/24 23:41 | 5       |

Client Sample ID: CSW-09-0-2-20240805

Lab Sample ID: 880-46890-12

Date Collected: 08/05/24 14:15

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 0-2

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:46 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:46 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:46 | 1       |
| m-Xylene & p-Xylene | <0.00400 | U         | 0.00400 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:46 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:46 | 1       |
| Xylenes, Total      | <0.00400 | U         | 0.00400 | mg/Kg |   | 08/06/24 09:24 | 08/06/24 19:46 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 | 08/06/24 09:24 | 08/06/24 19:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 | 08/06/24 09:24 | 08/06/24 19:46 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | mg/Kg |   |          | 08/06/24 19:46 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 08/06/24 19:06 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

Client Sample ID: CSW-09-0-2-20240805

Lab Sample ID: 880-46890-12

Date Collected: 08/05/24 14:15

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 0-2

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 08/06/24 10:12 | 08/06/24 19:06 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 08/06/24 10:12 | 08/06/24 19:06 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 08/06/24 10:12 | 08/06/24 19:06 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 109       |           | 70 - 130 |       |   | 08/06/24 10:12 | 08/06/24 19:06 | 1       |
| o-Terphenyl                          | 100       |           | 70 - 130 |       |   | 08/06/24 10:12 | 08/06/24 19:06 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 10700  |           | 99.2 | mg/Kg |   |          | 08/06/24 23:56 | 20      |

Client Sample ID: CSW-04-0-2-20240805

Lab Sample ID: 880-46890-13

Date Collected: 08/05/24 14:35

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 0-2

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 261    |           | 5.04 | mg/Kg |   |          | 08/07/24 00:02 | 1       |

Client Sample ID: CSB-060-3.5-20240805

Lab Sample ID: 880-46890-14

Date Collected: 08/05/24 07:55

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 3.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1020   |           | 4.97 | mg/Kg |   |          | 08/07/24 00:17 | 1       |

Client Sample ID: CSW-08-0-2-20240805

Lab Sample ID: 880-46890-15

Date Collected: 08/05/24 12:05

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 0-2

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/06/24 09:24 | 08/06/24 20:07 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/06/24 09:24 | 08/06/24 20:07 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/06/24 09:24 | 08/06/24 20:07 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  | mg/Kg |   | 08/06/24 09:24 | 08/06/24 20:07 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/06/24 09:24 | 08/06/24 20:07 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 08/06/24 09:24 | 08/06/24 20:07 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 |       |   | 08/06/24 09:24 | 08/06/24 20:07 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |       |   | 08/06/24 09:24 | 08/06/24 20:07 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

Client Sample ID: CSW-08-0-2-20240805

Lab Sample ID: 880-46890-15

Date Collected: 08/05/24 12:05

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 0-2

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 08/06/24 20:07 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 08/06/24 19:23 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 08/06/24 10:12 | 08/06/24 19:23 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 08/06/24 10:12 | 08/06/24 19:23 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 08/06/24 10:12 | 08/06/24 19:23 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 115       |           | 70 - 130 |       |   | 08/06/24 10:12 | 08/06/24 19:23 | 1       |
| o-Terphenyl                          | 104       |           | 70 - 130 |       |   | 08/06/24 10:12 | 08/06/24 19:23 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1670   |           | 24.8 | mg/Kg |   |          | 08/07/24 00:23 | 5       |

Client Sample ID: CSB-087-4.0-20240805

Lab Sample ID: 880-46890-16

Date Collected: 08/05/24 15:10

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 129    |           | 5.02 | mg/Kg |   |          | 08/07/24 00:28 | 1       |

Client Sample ID: CSB-069-4.0-20240805

Lab Sample ID: 880-46890-17

Date Collected: 08/05/24 16:15

Matrix: Solid

Date Received: 08/06/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 880    |           | 24.9 | mg/Kg |   |          | 08/07/24 00:33 | 5       |

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## Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID       | BFB1     | DFBZ1    |
|--------------------|------------------------|----------|----------|
|                    |                        | (70-130) | (70-130) |
| 880-46890-1        | CSB-040-3.5-20240805   | 108      | 97       |
| 880-46890-3        | CSB-042-3.5-20240805   | 107      | 97       |
| 880-46890-10       | CSB-109-4.0-20240805   | 109      | 98       |
| 880-46890-11       | CSB-108-4.0-20240805   | 108      | 98       |
| 880-46890-12       | CSW-09-0-2-20240805    | 110      | 97       |
| 880-46890-15       | CSW-08-0-2-20240805    | 105      | 97       |
| LCS 880-87560/1-A  | Lab Control Sample     | 107      | 100      |
| LCSD 880-87560/2-A | Lab Control Sample Dup | 104      | 98       |
| MB 880-87560/5-A   | Method Blank           | 109      | 92       |

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID       | 1CO1     | OTPH1    |
|--------------------|------------------------|----------|----------|
|                    |                        | (70-130) | (70-130) |
| 880-46890-1        | CSB-040-3.5-20240805   | 111      | 97       |
| 880-46890-2        | CSB-041-3.5-20240805   | 97       | 88       |
| 880-46890-3        | CSB-042-3.5-20240805   | 108      | 93       |
| 880-46890-10       | CSB-109-4.0-20240805   | 122      | 108      |
| 880-46890-11       | CSB-108-4.0-20240805   | 123      | 112      |
| 880-46890-12       | CSW-09-0-2-20240805    | 109      | 100      |
| 880-46890-15       | CSW-08-0-2-20240805    | 115      | 104      |
| LCS 880-87608/2-A  | Lab Control Sample     | 94       | 78       |
| LCSD 880-87608/3-A | Lab Control Sample Dup | 93       | 77       |
| MB 880-87608/1-A   | Method Blank           | 68 S1-   | 63 S1-   |

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-87560/5-A

Matrix: Solid

Analysis Batch: 87588

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87560

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 08/05/24 14:54 | 08/06/24 11:25 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 08/05/24 14:54 | 08/06/24 11:25 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | mg/Kg |   | 08/05/24 14:54 | 08/06/24 11:25 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | mg/Kg |   | 08/05/24 14:54 | 08/06/24 11:25 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | mg/Kg |   | 08/05/24 14:54 | 08/06/24 11:25 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | mg/Kg |   | 08/05/24 14:54 | 08/06/24 11:25 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109             |                 | 70 - 130 | 08/05/24 14:54 | 08/06/24 11:25 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92              |                 | 70 - 130 | 08/05/24 14:54 | 08/06/24 11:25 | 1       |

Lab Sample ID: LCS 880-87560/1-A

Matrix: Solid

Analysis Batch: 87588

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87560

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1097        |                  | mg/Kg |   | 110  | 70 - 130       |
| Toluene             | 0.100          | 0.09984       |                  | mg/Kg |   | 100  | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.1030        |                  | mg/Kg |   | 103  | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.2181        |                  | mg/Kg |   | 109  | 70 - 130       |
| o-Xylene            | 0.100          | 0.1077        |                  | mg/Kg |   | 108  | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 107              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 100              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-87560/2-A

Matrix: Solid

Analysis Batch: 87588

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87560

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.09886        |                   | mg/Kg |   | 99   | 70 - 130       | 10  | 35           |
| Toluene             | 0.100          | 0.08928        |                   | mg/Kg |   | 89   | 70 - 130       | 11  | 35           |
| Ethylbenzene        | 0.100          | 0.09197        |                   | mg/Kg |   | 92   | 70 - 130       | 11  | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.1941         |                   | mg/Kg |   | 97   | 70 - 130       | 12  | 35           |
| o-Xylene            | 0.100          | 0.09688        |                   | mg/Kg |   | 97   | 70 - 130       | 11  | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 104               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98                |                   | 70 - 130 |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-87608/1-A

Matrix: Solid

Analysis Batch: 87677

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87608

| Analyte                              | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|-----------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0        | U               | 50.0 | mg/Kg |   | 08/06/24 10:11 | 08/06/24 12:57 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U               | 50.0 | mg/Kg |   | 08/06/24 10:11 | 08/06/24 12:57 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U               | 50.0 | mg/Kg |   | 08/06/24 10:11 | 08/06/24 12:57 | 1       |

| Surrogate      | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 68              | S1-             | 70 - 130 | 08/06/24 10:11 | 08/06/24 12:57 | 1       |
| o-Terphenyl    | 63              | S1-             | 70 - 130 | 08/06/24 10:11 | 08/06/24 12:57 | 1       |

Lab Sample ID: LCS 880-87608/2-A

Matrix: Solid

Analysis Batch: 87677

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87608

| Analyte                              | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000           | 919.9         |                  | mg/Kg |   | 92   | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 1000           | 800.4         |                  | mg/Kg |   | 80   | 70 - 130       |

| Surrogate      | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|----------------|------------------|------------------|----------|
| 1-Chlorooctane | 94               |                  | 70 - 130 |
| o-Terphenyl    | 78               |                  | 70 - 130 |

Lab Sample ID: LCSD 880-87608/3-A

Matrix: Solid

Analysis Batch: 87677

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87608

| Analyte                              | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000           | 894.5          |                   | mg/Kg |   | 89   | 70 - 130       | 3   | 20           |
| Diesel Range Organics (Over C10-C28) | 1000           | 766.5          |                   | mg/Kg |   | 77   | 70 - 130       | 4   | 20           |

| Surrogate      | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|----------------|-------------------|-------------------|----------|
| 1-Chlorooctane | 93                |                   | 70 - 130 |
| o-Terphenyl    | 77                |                   | 70 - 130 |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87607/1-A

Matrix: Solid

Analysis Batch: 87611

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 | mg/Kg |   |          | 08/06/24 22:12 | 1       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-87607/2-A

Matrix: Solid

Analysis Batch: 87611

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 235.5      |               | mg/Kg |   | 94   | 90 - 110    |

Lab Sample ID: LCSD 880-87607/3-A

Matrix: Solid

Analysis Batch: 87611

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 233.5       |                | mg/Kg |   | 93   | 90 - 110    | 1   | 20        |

Lab Sample ID: 880-46890-1 MS

Matrix: Solid

Analysis Batch: 87611

Client Sample ID: CSB-040-3.5-20240805

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 101           |                  | 249         | 343.4     |              | mg/Kg |   | 98   | 90 - 110    |

Lab Sample ID: 880-46890-1 MSD

Matrix: Solid

Analysis Batch: 87611

Client Sample ID: CSB-040-3.5-20240805

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 101           |                  | 249         | 345.0      |               | mg/Kg |   | 98   | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-46890-11 MS

Matrix: Solid

Analysis Batch: 87611

Client Sample ID: CSB-108-4.0-20240805

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 911           | F1               | 1250        | 2426      | F1           | mg/Kg |   | 122  | 90 - 110    |

Lab Sample ID: 880-46890-11 MSD

Matrix: Solid

Analysis Batch: 87611

Client Sample ID: CSB-108-4.0-20240805

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 911           | F1               | 1250        | 2432       | F1            | mg/Kg |   | 122  | 90 - 110    | 0   | 20        |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

## GC VOA

## Prep Batch: 87560

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46890-1        | CSB-040-3.5-20240805   | Total/NA  | Solid  | 5035   |            |
| 880-46890-3        | CSB-042-3.5-20240805   | Total/NA  | Solid  | 5035   |            |
| 880-46890-10       | CSB-109-4.0-20240805   | Total/NA  | Solid  | 5035   |            |
| 880-46890-11       | CSB-108-4.0-20240805   | Total/NA  | Solid  | 5035   |            |
| 880-46890-12       | CSW-09-0-2-20240805    | Total/NA  | Solid  | 5035   |            |
| 880-46890-15       | CSW-08-0-2-20240805    | Total/NA  | Solid  | 5035   |            |
| MB 880-87560/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-87560/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-87560/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 87588

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46890-1        | CSB-040-3.5-20240805   | Total/NA  | Solid  | 8021B  | 87560      |
| 880-46890-3        | CSB-042-3.5-20240805   | Total/NA  | Solid  | 8021B  | 87560      |
| 880-46890-10       | CSB-109-4.0-20240805   | Total/NA  | Solid  | 8021B  | 87560      |
| 880-46890-11       | CSB-108-4.0-20240805   | Total/NA  | Solid  | 8021B  | 87560      |
| 880-46890-12       | CSW-09-0-2-20240805    | Total/NA  | Solid  | 8021B  | 87560      |
| 880-46890-15       | CSW-08-0-2-20240805    | Total/NA  | Solid  | 8021B  | 87560      |
| MB 880-87560/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 87560      |
| LCS 880-87560/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 87560      |
| LCSD 880-87560/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 87560      |

## Analysis Batch: 87770

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method     | Prep Batch |
|---------------|----------------------|-----------|--------|------------|------------|
| 880-46890-1   | CSB-040-3.5-20240805 | Total/NA  | Solid  | Total BTEX |            |
| 880-46890-3   | CSB-042-3.5-20240805 | Total/NA  | Solid  | Total BTEX |            |
| 880-46890-10  | CSB-109-4.0-20240805 | Total/NA  | Solid  | Total BTEX |            |
| 880-46890-11  | CSB-108-4.0-20240805 | Total/NA  | Solid  | Total BTEX |            |
| 880-46890-12  | CSW-09-0-2-20240805  | Total/NA  | Solid  | Total BTEX |            |
| 880-46890-15  | CSW-08-0-2-20240805  | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 87608

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-46890-1        | CSB-040-3.5-20240805   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46890-2        | CSB-041-3.5-20240805   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46890-3        | CSB-042-3.5-20240805   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46890-10       | CSB-109-4.0-20240805   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46890-11       | CSB-108-4.0-20240805   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46890-12       | CSW-09-0-2-20240805    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46890-15       | CSW-08-0-2-20240805    | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-87608/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-87608/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-87608/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 87677

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method   | Prep Batch |
|---------------|----------------------|-----------|--------|----------|------------|
| 880-46890-1   | CSB-040-3.5-20240805 | Total/NA  | Solid  | 8015B NM | 87608      |
| 880-46890-2   | CSB-041-3.5-20240805 | Total/NA  | Solid  | 8015B NM | 87608      |
| 880-46890-3   | CSB-042-3.5-20240805 | Total/NA  | Solid  | 8015B NM | 87608      |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

## GC Semi VOA (Continued)

## Analysis Batch: 87677 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46890-10       | CSB-109-4.0-20240805   | Total/NA  | Solid  | 8015B NM | 87608      |
| 880-46890-11       | CSB-108-4.0-20240805   | Total/NA  | Solid  | 8015B NM | 87608      |
| 880-46890-12       | CSW-09-0-2-20240805    | Total/NA  | Solid  | 8015B NM | 87608      |
| 880-46890-15       | CSW-08-0-2-20240805    | Total/NA  | Solid  | 8015B NM | 87608      |
| MB 880-87608/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 87608      |
| LCS 880-87608/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 87608      |
| LCSD 880-87608/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 87608      |

## Analysis Batch: 87848

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method  | Prep Batch |
|---------------|----------------------|-----------|--------|---------|------------|
| 880-46890-1   | CSB-040-3.5-20240805 | Total/NA  | Solid  | 8015 NM |            |
| 880-46890-2   | CSB-041-3.5-20240805 | Total/NA  | Solid  | 8015 NM |            |
| 880-46890-3   | CSB-042-3.5-20240805 | Total/NA  | Solid  | 8015 NM |            |
| 880-46890-10  | CSB-109-4.0-20240805 | Total/NA  | Solid  | 8015 NM |            |
| 880-46890-11  | CSB-108-4.0-20240805 | Total/NA  | Solid  | 8015 NM |            |
| 880-46890-12  | CSW-09-0-2-20240805  | Total/NA  | Solid  | 8015 NM |            |
| 880-46890-15  | CSW-08-0-2-20240805  | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 87607

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46890-1        | CSB-040-3.5-20240805   | Soluble   | Solid  | DI Leach |            |
| 880-46890-2        | CSB-041-3.5-20240805   | Soluble   | Solid  | DI Leach |            |
| 880-46890-3        | CSB-042-3.5-20240805   | Soluble   | Solid  | DI Leach |            |
| 880-46890-4        | CSB-095-4.0-20240805   | Soluble   | Solid  | DI Leach |            |
| 880-46890-5        | CSB-086-4.0-20240805   | Soluble   | Solid  | DI Leach |            |
| 880-46890-6        | CSW-06-0-2-20240805    | Soluble   | Solid  | DI Leach |            |
| 880-46890-7        | CSB-068-4.0-20240805   | Soluble   | Solid  | DI Leach |            |
| 880-46890-8        | CSB-077-4.0-20240805   | Soluble   | Solid  | DI Leach |            |
| 880-46890-9        | CSW-07-0-2-20240805    | Soluble   | Solid  | DI Leach |            |
| 880-46890-10       | CSB-109-4.0-20240805   | Soluble   | Solid  | DI Leach |            |
| 880-46890-11       | CSB-108-4.0-20240805   | Soluble   | Solid  | DI Leach |            |
| 880-46890-12       | CSW-09-0-2-20240805    | Soluble   | Solid  | DI Leach |            |
| 880-46890-13       | CSW-04-0-2-20240805    | Soluble   | Solid  | DI Leach |            |
| 880-46890-14       | CSB-060-3.5-20240805   | Soluble   | Solid  | DI Leach |            |
| 880-46890-15       | CSW-08-0-2-20240805    | Soluble   | Solid  | DI Leach |            |
| 880-46890-16       | CSB-087-4.0-20240805   | Soluble   | Solid  | DI Leach |            |
| 880-46890-17       | CSB-069-4.0-20240805   | Soluble   | Solid  | DI Leach |            |
| MB 880-87607/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-87607/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-87607/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-46890-1 MS     | CSB-040-3.5-20240805   | Soluble   | Solid  | DI Leach |            |
| 880-46890-1 MSD    | CSB-040-3.5-20240805   | Soluble   | Solid  | DI Leach |            |
| 880-46890-11 MS    | CSB-108-4.0-20240805   | Soluble   | Solid  | DI Leach |            |
| 880-46890-11 MSD   | CSB-108-4.0-20240805   | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 87611

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method | Prep Batch |
|---------------|----------------------|-----------|--------|--------|------------|
| 880-46890-1   | CSB-040-3.5-20240805 | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-2   | CSB-041-3.5-20240805 | Soluble   | Solid  | 300.0  | 87607      |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

## HPLC/IC (Continued)

## Analysis Batch: 87611 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46890-3        | CSB-042-3.5-20240805   | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-4        | CSB-095-4.0-20240805   | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-5        | CSB-086-4.0-20240805   | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-6        | CSW-06-0-2-20240805    | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-7        | CSB-068-4.0-20240805   | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-8        | CSB-077-4.0-20240805   | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-9        | CSW-07-0-2-20240805    | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-10       | CSB-109-4.0-20240805   | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-11       | CSB-108-4.0-20240805   | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-12       | CSW-09-0-2-20240805    | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-13       | CSW-04-0-2-20240805    | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-14       | CSB-060-3.5-20240805   | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-15       | CSW-08-0-2-20240805    | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-16       | CSB-087-4.0-20240805   | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-17       | CSB-069-4.0-20240805   | Soluble   | Solid  | 300.0  | 87607      |
| MB 880-87607/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 87607      |
| LCS 880-87607/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 87607      |
| LCSD 880-87607/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-1 MS     | CSB-040-3.5-20240805   | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-1 MSD    | CSB-040-3.5-20240805   | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-11 MS    | CSB-108-4.0-20240805   | Soluble   | Solid  | 300.0  | 87607      |
| 880-46890-11 MSD   | CSB-108-4.0-20240805   | Soluble   | Solid  | 300.0  | 87607      |

## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

**Client Sample ID: CSB-040-3.5-20240805****Lab Sample ID: 880-46890-1****Date Collected: 08/05/24 09:40****Matrix: Solid****Date Received: 08/06/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 87560        | 08/06/24 09:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87588        | 08/06/24 18:24       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87770        | 08/06/24 18:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87848        | 08/06/24 17:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.07 g        | 10 mL        | 87608        | 08/06/24 10:12       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87677        | 08/06/24 17:45       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87611        | 08/06/24 22:28       | CH      | EET MID |

**Client Sample ID: CSB-041-3.5-20240805****Lab Sample ID: 880-46890-2****Date Collected: 08/05/24 09:55****Matrix: Solid****Date Received: 08/06/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87848        | 08/06/24 18:02       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 87608        | 08/06/24 10:12       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87677        | 08/06/24 18:02       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87611        | 08/06/24 22:43       | CH      | EET MID |

**Client Sample ID: CSB-042-3.5-20240805****Lab Sample ID: 880-46890-3****Date Collected: 08/05/24 10:10****Matrix: Solid****Date Received: 08/06/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 87560        | 08/06/24 09:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87588        | 08/06/24 18:45       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87770        | 08/06/24 18:45       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87848        | 08/06/24 18:18       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 87608        | 08/06/24 10:12       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87677        | 08/06/24 18:18       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87611        | 08/06/24 22:48       | CH      | EET MID |

**Client Sample ID: CSB-095-4.0-20240805****Lab Sample ID: 880-46890-4****Date Collected: 08/05/24 11:15****Matrix: Solid****Date Received: 08/06/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87611        | 08/06/24 22:54       | CH      | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

Client Sample ID: CSB-086-4.0-20240805  
Date Collected: 08/05/24 11:30  
Date Received: 08/06/24 08:00

Lab Sample ID: 880-46890-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87611        | 08/06/24 22:59       | CH      | EET MID |

Client Sample ID: CSW-06-0-2-20240805  
Date Collected: 08/05/24 11:45  
Date Received: 08/06/24 08:00

Lab Sample ID: 880-46890-6  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87611        | 08/06/24 23:15       | CH      | EET MID |

Client Sample ID: CSB-068-4.0-20240805  
Date Collected: 08/05/24 12:00  
Date Received: 08/06/24 08:00

Lab Sample ID: 880-46890-7  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87611        | 08/06/24 23:20       | CH      | EET MID |

Client Sample ID: CSB-077-4.0-20240805  
Date Collected: 08/05/24 12:25  
Date Received: 08/06/24 08:00

Lab Sample ID: 880-46890-8  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87611        | 08/06/24 23:25       | CH      | EET MID |

Client Sample ID: CSW-07-0-2-20240805  
Date Collected: 08/05/24 13:20  
Date Received: 08/06/24 08:00

Lab Sample ID: 880-46890-9  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87611        | 08/06/24 23:30       | CH      | EET MID |

Client Sample ID: CSB-109-4.0-20240805  
Date Collected: 08/05/24 13:40  
Date Received: 08/06/24 08:00

Lab Sample ID: 880-46890-10  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 87560        | 08/06/24 09:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87588        | 08/06/24 19:05       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87770        | 08/06/24 19:05       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87848        | 08/06/24 18:34       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.09 g        | 10 mL        | 87608        | 08/06/24 10:12       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87677        | 08/06/24 18:34       | TKC     | EET MID |

Eurofins Midland

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

Client Sample ID: CSB-109-4.0-20240805  
Date Collected: 08/05/24 13:40  
Date Received: 08/06/24 08:00

Lab Sample ID: 880-46890-10  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87611        | 08/06/24 23:36       | CH      | EET MID |

Client Sample ID: CSB-108-4.0-20240805  
Date Collected: 08/05/24 13:55  
Date Received: 08/06/24 08:00

Lab Sample ID: 880-46890-11  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 87560        | 08/06/24 09:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87588        | 08/06/24 19:26       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87770        | 08/06/24 19:26       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87848        | 08/06/24 18:50       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 87608        | 08/06/24 10:12       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87677        | 08/06/24 18:50       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87611        | 08/06/24 23:41       | CH      | EET MID |

Client Sample ID: CSW-09-0-2-20240805  
Date Collected: 08/05/24 14:15  
Date Received: 08/06/24 08:00

Lab Sample ID: 880-46890-12  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 87560        | 08/06/24 09:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87588        | 08/06/24 19:46       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87770        | 08/06/24 19:46       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87848        | 08/06/24 19:06       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 87608        | 08/06/24 10:12       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87677        | 08/06/24 19:06       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 20         | 50 mL          | 50 mL        | 87611        | 08/06/24 23:56       | CH      | EET MID |

Client Sample ID: CSW-04-0-2-20240805  
Date Collected: 08/05/24 14:35  
Date Received: 08/06/24 08:00

Lab Sample ID: 880-46890-13  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87611        | 08/07/24 00:02       | CH      | EET MID |



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

Client Sample ID: CSB-060-3.5-20240805  
Date Collected: 08/05/24 07:55  
Date Received: 08/06/24 08:00

Lab Sample ID: 880-46890-14  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87611        | 08/07/24 00:17       | CH      | EET MID |

Client Sample ID: CSW-08-0-2-20240805  
Date Collected: 08/05/24 12:05  
Date Received: 08/06/24 08:00

Lab Sample ID: 880-46890-15  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 87560        | 08/06/24 09:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87588        | 08/06/24 20:07       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87770        | 08/06/24 20:07       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87848        | 08/06/24 19:23       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 87608        | 08/06/24 10:12       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87677        | 08/06/24 19:23       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87611        | 08/07/24 00:23       | CH      | EET MID |

Client Sample ID: CSB-087-4.0-20240805  
Date Collected: 08/05/24 15:10  
Date Received: 08/06/24 08:00

Lab Sample ID: 880-46890-16  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87611        | 08/07/24 00:28       | CH      | EET MID |

Client Sample ID: CSB-069-4.0-20240805  
Date Collected: 08/05/24 16:15  
Date Received: 08/06/24 08:00

Lab Sample ID: 880-46890-17  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87607        | 08/06/24 10:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87611        | 08/07/24 00:33       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |



Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

## Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46890-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       | Depth |
|---------------|----------------------|--------|----------------|----------------|-------|
| 880-46890-1   | CSB-040-3.5-20240805 | Solid  | 08/05/24 09:40 | 08/06/24 08:00 | 3.5   |
| 880-46890-2   | CSB-041-3.5-20240805 | Solid  | 08/05/24 09:55 | 08/06/24 08:00 | 3.5   |
| 880-46890-3   | CSB-042-3.5-20240805 | Solid  | 08/05/24 10:10 | 08/06/24 08:00 | 3.5   |
| 880-46890-4   | CSB-095-4.0-20240805 | Solid  | 08/05/24 11:15 | 08/06/24 08:00 | 4.0   |
| 880-46890-5   | CSB-086-4.0-20240805 | Solid  | 08/05/24 11:30 | 08/06/24 08:00 | 4.0   |
| 880-46890-6   | CSW-06-0-2-20240805  | Solid  | 08/05/24 11:45 | 08/06/24 08:00 | 0-2   |
| 880-46890-7   | CSB-068-4.0-20240805 | Solid  | 08/05/24 12:00 | 08/06/24 08:00 | 4.0   |
| 880-46890-8   | CSB-077-4.0-20240805 | Solid  | 08/05/24 12:25 | 08/06/24 08:00 | 4.0   |
| 880-46890-9   | CSW-07-0-2-20240805  | Solid  | 08/05/24 13:20 | 08/06/24 08:00 | 0-2   |
| 880-46890-10  | CSB-109-4.0-20240805 | Solid  | 08/05/24 13:40 | 08/06/24 08:00 | 4.0   |
| 880-46890-11  | CSB-108-4.0-20240805 | Solid  | 08/05/24 13:55 | 08/06/24 08:00 | 4.0   |
| 880-46890-12  | CSW-09-0-2-20240805  | Solid  | 08/05/24 14:15 | 08/06/24 08:00 | 0-2   |
| 880-46890-13  | CSW-04-0-2-20240805  | Solid  | 08/05/24 14:35 | 08/06/24 08:00 | 0-2   |
| 880-46890-14  | CSB-060-3.5-20240805 | Solid  | 08/05/24 07:55 | 08/06/24 08:00 | 3.5   |
| 880-46890-15  | CSW-08-0-2-20240805  | Solid  | 08/05/24 12:05 | 08/06/24 08:00 | 0-2   |
| 880-46890-16  | CSB-087-4.0-20240805 | Solid  | 08/05/24 15:10 | 08/06/24 08:00 | 4.0   |
| 880-46890-17  | CSB-069-4.0-20240805 | Solid  | 08/05/24 16:15 | 08/06/24 08:00 | 4.0   |





# Environment Testing

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060

Work

890-46890 Chain of Custody

Page 1 of 2

|                  |                         |                         |                        |
|------------------|-------------------------|-------------------------|------------------------|
| Project Manager: | Brad Wynn               | Bill to: (if different) |                        |
| Company Name:    | AECOM                   | Company Name:           |                        |
| Address:         | 15355 Noel Rd Suite 400 | Address:                |                        |
| City, State ZIP: | Dallas, TX 75240        | City, State ZIP:        |                        |
| Phone:           | 214-971-1829            | Email:                  | Bradley.wynn@aecom.com |

|                   |             |                                                                           |       |
|-------------------|-------------|---------------------------------------------------------------------------|-------|
| Project Name:     | Amco CTB    | Turn Around                                                               |       |
| Project Number:   | 60734207    | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |       |
| Project Location: | LOVING NM   | Due Date:                                                                 | 24 hr |
| Sampler's Name:   | J. Passmore | TAT starts the day received by the lab, if received by 4:30pm             |       |
| PO #:             |             |                                                                           |       |

| SAMPLE RECEIPT           |        | Temp Blank: |     | Yes (No)             |   | Wet Ice:               |  | Yes (No)             |  |
|--------------------------|--------|-------------|-----|----------------------|---|------------------------|--|----------------------|--|
| Samples Received Intact: |        | Yes         | No  | Thermometer ID:      |   | Correction Factor:     |  | Temperature Reading: |  |
| Cooler Custody Seals:    |        | Yes         | No  | Temperature Reading: |   | Corrected Temperature: |  |                      |  |
| Sample Custody Seals:    |        | Yes         | No  | Temperature Reading: |   | Corrected Temperature: |  |                      |  |
| Total Containers:        |        |             |     |                      |   |                        |  |                      |  |
| CSD-040-3.5-104046       | 8/5/24 | 0940        | 3.5 | C                    | 1 |                        |  |                      |  |
| CSD-041-3.5-104046       | 8/5/24 | 0955        | 3.5 | C                    | 1 |                        |  |                      |  |
| CSD-042-3.5-104046       | 8/5/24 | 1010        | 3.5 | C                    | 1 |                        |  |                      |  |
| CSD-043-4.0-104046       | 8/5/24 | 1115        | 4.0 | C                    | 1 |                        |  |                      |  |
| CSD-044-4.0-104046       | 8/5/24 | 1130        | 4.0 | C                    | 1 |                        |  |                      |  |
| CSD-045-4.0-104046       | 8/5/24 | 1145        | 4.0 | C                    | 1 |                        |  |                      |  |
| CSD-046-4.0-104046       | 8/5/24 | 1200        | 4.0 | C                    | 1 |                        |  |                      |  |
| CSD-047-4.0-104046       | 8/5/24 | 1215        | 4.0 | C                    | 1 |                        |  |                      |  |
| CSD-048-4.0-104046       | 8/5/24 | 1320        | 4.0 | C                    | 1 |                        |  |                      |  |
| CSD-049-4.0-104046       | 8/5/24 | 1340        | 4.0 | C                    | 1 |                        |  |                      |  |

|                                              |                                                                                                       |               |                                                                                                                    |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------|
| Total                                        | 200.7 / 6010                                                                                          | 200.8 / 6020: | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |               |                                                                                                                    |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| 1 <i>[Signature]</i>         | 1 <i>[Signature]</i>     | 8/5/24 1630 |                              |                          |           |
| 3 <i>[Signature]</i>         | 3 <i>[Signature]</i>     |             |                              |                          |           |
| 5 <i>[Signature]</i>         | 5 <i>[Signature]</i>     |             |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2



## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3198  
Little Rock, AR (501) 224-5060

## Environment Testing

Work Order No: 46590

Page 2 of 2

|                  |                          |                         |                         |
|------------------|--------------------------|-------------------------|-------------------------|
| Project Manager: | BRAD WYNAC               | Bill to: (if different) |                         |
| Company Name:    | AECOM                    | Company Name:           |                         |
| Address:         | 13355 NOEL Rd, Suite 200 | Address:                |                         |
| City, State ZIP: | DALLAS, TX 75240         | City, State ZIP:        |                         |
| Phone:           | 214-971-1829             | Email:                  | BRADLEY.WYNAC@aecom.com |

|                   |               |                                                                           |       |
|-------------------|---------------|---------------------------------------------------------------------------|-------|
| Project Name:     | ANOCO CTB     | Turn Around                                                               |       |
| Project Number:   | 60734207      | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |       |
| Project Location: | LOVING NM     | Due Date:                                                                 | 24 hr |
| Sampler's Name:   | J. PARRISMORE | TAT starts the day received by the lab, if received by 4:30pm             |       |
| PO #:             |               |                                                                           |       |

| SAMPLE RECEIPT           | Temp Blank: |    | Yes No |    | Wet Ice:               |  | Yes No |  |
|--------------------------|-------------|----|--------|----|------------------------|--|--------|--|
|                          | Yes         | No | Yes    | No | Thermometer ID:        |  |        |  |
| Samples Received Intact: | Yes         | No | N/A    |    | Correction Factor:     |  |        |  |
| Cooler Custody Seals:    | Yes         | No | N/A    |    | Temperature Reading:   |  |        |  |
| Sample Custody Seals:    | Yes         | No | N/A    |    | Corrected Temperature: |  |        |  |
| Total Containers:        |             |    |        |    |                        |  |        |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters        | Pres. Code | ANALYSIS REQUEST | Preservative Codes                                                                                                                                                                                                                                                                | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-------------------|------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| CSB-109-4.0-2040705   | Soil   | 9/5/24       | 1355         | 4.0   | C         | 1         | Chlorides - 24 hr |            |                  | None: NO<br>Cool: Cool<br>HCL: HC<br>H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub><br>H <sub>3</sub> PO <sub>4</sub> : HP<br>NaHSO <sub>4</sub> : NABIS<br>Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub><br>Zn Acetate+NaOH: Zn<br>NaOH+Ascorbic Acid: SAPC |                 |
| CSW-09-0.2-2040705    | Soil   | 9/5/24       | 1415         | 0-2   | C         | 1         | BTEX - 3 days     |            |                  |                                                                                                                                                                                                                                                                                   |                 |
| CSW-01-0.2-2040705    | Soil   | 9/5/24       | 1435         | 0-2   | C         | 1         | TPH - 3 days      |            |                  |                                                                                                                                                                                                                                                                                   |                 |
| CSB-060-3.5-2040705   | Soil   | 9/5/24       | 0755         | 3.5   | C         | 1         |                   |            |                  |                                                                                                                                                                                                                                                                                   |                 |
| CSW-09-0.2-2040705    | Soil   | 9/5/24       | 1705         | 0-2   | C         | 1         |                   |            |                  |                                                                                                                                                                                                                                                                                   |                 |
| CSB-097-4.0-2040705   | Soil   | 9/5/24       | 1510         | 4.0   | C         | 1         |                   |            |                  |                                                                                                                                                                                                                                                                                   |                 |
| CSB-069-4.0-2040705   | Soil   | 9/5/24       | 1615         | 4.0   | C         | 1         |                   |            |                  |                                                                                                                                                                                                                                                                                   |                 |

|                                              |                                                                                                        |               |                                                                                                                    |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------|
| Total                                        | 200.7 / 6010                                                                                           | 200.8 / 6020: | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCPLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |               |                                                                                                                    |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time  | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|------------|------------------------------|--------------------------|-----------|
| 1 <i>Brad WYNAC</i> - AECOM  | <i>Brad WYNAC</i>        | 9/5/24 800 |                              |                          |           |
| 3                            |                          |            |                              |                          |           |
| 5                            |                          |            |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2



Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46890-1

SDG Number: Loving, NM

Login Number: 46890

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/9/2024 1:13:41 PM

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-46959-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/9/2024 1:13:41 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-46959-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| *1        | LCS/LCSD RPD exceeds control limits.                     |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ▫              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-46959-1

**Job ID: 880-46959-1**

**Eurofins Midland**

### Job Narrative 880-46959-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/7/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-18-4.0-20240806 (880-46959-1), CSB-31-4.0-20240806 (880-46959-2), CSB-29-4.0-20240806 (880-46959-3), CSB-19-6.0-20240806 (880-46959-4), CSW-13-0-3-20240806 (880-46959-5) and CSB-30-4.0-20240806 (880-46959-6).

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-87745 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD\_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: CSW-13-0-3-20240806 (880-46959-5) and CSB-30-4.0-20240806 (880-46959-6). Percent recoveries are based on the amount spiked.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-87722/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-87885/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-87885 and analytical batch 880-87899 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland



## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

Client Sample ID: CSB-18-4.0-20240806

Lab Sample ID: 880-46959-1

Date Collected: 08/06/24 09:05

Matrix: Solid

Date Received: 08/07/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 21:57 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 21:57 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 21:57 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 21:57 | 1       |
| o-Xylene            | 0.00407  |           | 0.00199 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 21:57 | 1       |
| Xylenes, Total      | 0.00407  |           | 0.00398 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 21:57 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130 | 08/07/24 11:51 | 08/07/24 21:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 83        |           | 70 - 130 | 08/07/24 11:51 | 08/07/24 21:57 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result  | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|---------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | 0.00407 |           | 0.00398 | mg/Kg |   |          | 08/07/24 21:57 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 08/07/24 19:58 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 | mg/Kg |   | 08/07/24 08:59 | 08/07/24 19:58 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 | mg/Kg |   | 08/07/24 08:59 | 08/07/24 19:58 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | mg/Kg |   | 08/07/24 08:59 | 08/07/24 19:58 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 113       |           | 70 - 130 | 08/07/24 08:59 | 08/07/24 19:58 | 1       |
| o-Terphenyl    | 113       |           | 70 - 130 | 08/07/24 08:59 | 08/07/24 19:58 | 1       |

Client Sample ID: CSB-31-4.0-20240806

Lab Sample ID: 880-46959-2

Date Collected: 08/06/24 09:40

Matrix: Solid

Date Received: 08/07/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:18 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:18 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:18 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:18 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:18 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:18 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 | 08/07/24 11:51 | 08/07/24 22:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 84        |           | 70 - 130 | 08/07/24 11:51 | 08/07/24 22:18 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

Client Sample ID: CSB-31-4.0-20240806

Lab Sample ID: 880-46959-2

Date Collected: 08/06/24 09:40

Matrix: Solid

Date Received: 08/07/24 08:00

Sample Depth: 4.0

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 08/07/24 22:18 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 08/08/24 16:33 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U *1      | 49.9     | mg/Kg |   | 08/08/24 11:52 | 08/08/24 16:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U *1      | 49.9     | mg/Kg |   | 08/08/24 11:52 | 08/08/24 16:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 08/08/24 11:52 | 08/08/24 16:33 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 90        |           | 70 - 130 |       |   | 08/08/24 11:52 | 08/08/24 16:33 | 1       |
| o-Terphenyl                          | 85        |           | 70 - 130 |       |   | 08/08/24 11:52 | 08/08/24 16:33 | 1       |

Client Sample ID: CSB-29-4.0-20240806

Lab Sample ID: 880-46959-3

Date Collected: 08/06/24 10:30

Matrix: Solid

Date Received: 08/07/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:39 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:39 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:39 | 1       |
| m-Xylene & p-Xylene         | <0.00399  | U         | 0.00399  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:39 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:39 | 1       |
| Xylenes, Total              | <0.00399  | U         | 0.00399  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:39 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 |       |   | 08/07/24 11:51 | 08/07/24 22:39 | 1       |
| 1,4-Difluorobenzene (Surr)  | 83        |           | 70 - 130 |       |   | 08/07/24 11:51 | 08/07/24 22:39 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 08/07/24 22:39 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 08/07/24 20:51 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 08/07/24 08:59 | 08/07/24 20:51 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 08/07/24 08:59 | 08/07/24 20:51 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | mg/Kg |   | 08/07/24 08:59 | 08/07/24 20:51 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

Client Sample ID: CSB-29-4.0-20240806

Lab Sample ID: 880-46959-3

Date Collected: 08/06/24 10:30

Matrix: Solid

Date Received: 08/07/24 08:00

Sample Depth: 4.0

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 116       |           | 70 - 130 | 08/07/24 08:59 | 08/07/24 20:51 | 1       |
| o-Terphenyl    | 117       |           | 70 - 130 | 08/07/24 08:59 | 08/07/24 20:51 | 1       |

Client Sample ID: CSB-19-6.0-20240806

Lab Sample ID: 880-46959-4

Date Collected: 08/06/24 10:45

Matrix: Solid

Date Received: 08/07/24 08:00

Sample Depth: 6.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:59 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:59 | 1       |
| Ethylbenzene                | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:59 | 1       |
| m-Xylene & p-Xylene         | <0.00402  | U         | 0.00402  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:59 | 1       |
| o-Xylene                    | <0.00201  | U         | 0.00201  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:59 | 1       |
| Xylenes, Total              | <0.00402  | U         | 0.00402  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 22:59 | 1       |
|                             |           |           |          |       |   |                |                |         |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130 |       |   | 08/07/24 11:51 | 08/07/24 22:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 85        |           | 70 - 130 |       |   | 08/07/24 11:51 | 08/07/24 22:59 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 | mg/Kg |   |          | 08/07/24 22:59 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 | mg/Kg |   |          | 08/07/24 21:08 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | mg/Kg |   | 08/07/24 08:59 | 08/07/24 21:08 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     | mg/Kg |   | 08/07/24 08:59 | 08/07/24 21:08 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | mg/Kg |   | 08/07/24 08:59 | 08/07/24 21:08 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 126       |           | 70 - 130 |       |   | 08/07/24 08:59 | 08/07/24 21:08 | 1       |
| o-Terphenyl                          | 125       |           | 70 - 130 |       |   | 08/07/24 08:59 | 08/07/24 21:08 | 1       |

Client Sample ID: CSW-13-0-3-20240806

Lab Sample ID: 880-46959-5

Date Collected: 08/06/24 14:40

Matrix: Solid

Date Received: 08/07/24 08:00

Sample Depth: 0-3

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 23:20 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 23:20 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 23:20 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 23:20 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

Client Sample ID: CSW-13-0-3-20240806

Lab Sample ID: 880-46959-5

Date Collected: 08/06/24 14:40

Matrix: Solid

Date Received: 08/07/24 08:00

Sample Depth: 0-3

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 23:20 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 23:20 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 |       |   | 08/07/24 11:51 | 08/07/24 23:20 | 1       |
| 1,4-Difluorobenzene (Surr)  | 73        |           | 70 - 130 |       |   | 08/07/24 11:51 | 08/07/24 23:20 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 08/07/24 23:20 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.7  | U         | 49.7 | mg/Kg |   |          | 08/07/24 21:25 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7     | U         | 49.7     | mg/Kg |   | 08/07/24 08:59 | 08/07/24 21:25 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7     | U         | 49.7     | mg/Kg |   | 08/07/24 08:59 | 08/07/24 21:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7     | U         | 49.7     | mg/Kg |   | 08/07/24 08:59 | 08/07/24 21:25 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 140       | S1+       | 70 - 130 |       |   | 08/07/24 08:59 | 08/07/24 21:25 | 1       |
| o-Terphenyl                          | 140       | S1+       | 70 - 130 |       |   | 08/07/24 08:59 | 08/07/24 21:25 | 1       |

Client Sample ID: CSB-30-4.0-20240806

Lab Sample ID: 880-46959-6

Date Collected: 08/06/24 16:15

Matrix: Solid

Date Received: 08/07/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 23:41 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 23:41 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 23:41 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 23:41 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 23:41 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | mg/Kg |   | 08/07/24 11:51 | 08/07/24 23:41 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 |       |   | 08/07/24 11:51 | 08/07/24 23:41 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 |       |   | 08/07/24 11:51 | 08/07/24 23:41 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 08/07/24 23:41 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

Client Sample ID: CSB-30-4.0-20240806  
Date Collected: 08/06/24 16:15  
Date Received: 08/07/24 08:00  
Sample Depth: 4.0

Lab Sample ID: 880-46959-6  
Matrix: Solid

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH                                                | <49.9  | U         | 49.9 | mg/Kg |   |          | 08/07/24 21:42 | 1       |  |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|
| Analyte                                                   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <49.9     | U         | 49.9     | mg/Kg |   | 08/07/24 08:59 | 08/07/24 21:42 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <49.9     | U         | 49.9     | mg/Kg |   | 08/07/24 08:59 | 08/07/24 21:42 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <49.9     | U         | 49.9     | mg/Kg |   | 08/07/24 08:59 | 08/07/24 21:42 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 134       | S1+       | 70 - 130 |       |   | 08/07/24 08:59 | 08/07/24 21:42 | 1       |  |
| o-Terphenyl                                               | 135       | S1+       | 70 - 130 |       |   | 08/07/24 08:59 | 08/07/24 21:42 | 1       |  |

## Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-46959-1                       | CSB-18-4.0-20240806    | 101                                            | 83                |
| 880-46959-2                       | CSB-31-4.0-20240806    | 93                                             | 84                |
| 880-46959-3                       | CSB-29-4.0-20240806    | 102                                            | 83                |
| 880-46959-4                       | CSB-19-6.0-20240806    | 101                                            | 85                |
| 880-46959-5                       | CSW-13-0-3-20240806    | 99                                             | 73                |
| 880-46959-6                       | CSB-30-4.0-20240806    | 100                                            | 81                |
| LCS 880-87737/1-A                 | Lab Control Sample     | 99                                             | 109               |
| LCSD 880-87737/2-A                | Lab Control Sample Dup | 99                                             | 109               |
| MB 880-87737/5-A                  | Method Blank           | 78                                             | 96                |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-46959-1             | CSB-18-4.0-20240806    | 113                                            | 113               |
| 880-46959-2             | CSB-31-4.0-20240806    | 90                                             | 85                |
| 880-46959-3             | CSB-29-4.0-20240806    | 116                                            | 117               |
| 880-46959-4             | CSB-19-6.0-20240806    | 126                                            | 125               |
| 880-46959-5             | CSW-13-0-3-20240806    | 140 S1+                                        | 140 S1+           |
| 880-46959-6             | CSB-30-4.0-20240806    | 134 S1+                                        | 135 S1+           |
| LCS 880-87722/2-A       | Lab Control Sample     | 121                                            | 135 S1+           |
| LCS 880-87885/2-A       | Lab Control Sample     | 131 S1+                                        | 107               |
| LCSD 880-87722/3-A      | Lab Control Sample Dup | 115                                            | 126               |
| LCSD 880-87885/3-A      | Lab Control Sample Dup | 100                                            | 82                |
| MB 880-87722/1-A        | Method Blank           | 118                                            | 117               |
| MB 880-87885/1-A        | Method Blank           | 81                                             | 75                |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-87737/5-A

Matrix: Solid

Analysis Batch: 87760

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87737

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 16:19 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 16:19 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 16:19 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 16:19 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 16:19 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | mg/Kg |   | 08/07/24 11:51 | 08/07/24 16:19 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 78              |                 | 70 - 130 | 08/07/24 11:51 | 08/07/24 16:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96              |                 | 70 - 130 | 08/07/24 11:51 | 08/07/24 16:19 | 1       |

Lab Sample ID: LCS 880-87737/1-A

Matrix: Solid

Analysis Batch: 87760

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87737

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1079        |                  | mg/Kg |   | 108  | 70 - 130       |
| Toluene             | 0.100          | 0.09671       |                  | mg/Kg |   | 97   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.1039        |                  | mg/Kg |   | 104  | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1983        |                  | mg/Kg |   | 99   | 70 - 130       |
| o-Xylene            | 0.100          | 0.09691       |                  | mg/Kg |   | 97   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 99               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 109              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-87737/2-A

Matrix: Solid

Analysis Batch: 87760

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87737

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1218         |                   | mg/Kg |   | 122  | 70 - 130       | 12  | 35           |
| Toluene             | 0.100          | 0.1072         |                   | mg/Kg |   | 107  | 70 - 130       | 10  | 35           |
| Ethylbenzene        | 0.100          | 0.1153         |                   | mg/Kg |   | 115  | 70 - 130       | 10  | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2466         |                   | mg/Kg |   | 123  | 70 - 130       | 22  | 35           |
| o-Xylene            | 0.100          | 0.1188         |                   | mg/Kg |   | 119  | 70 - 130       | 20  | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 99                |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 109               |                   | 70 - 130 |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-87722/1-A

Matrix: Solid

Analysis Batch: 87745

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87722

| Analyte                              | MB<br>Result    | MB<br>Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------------|-----------------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0           | U               | 50.0     | mg/Kg |   | 08/07/24 08:59 | 08/07/24 11:55 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0           | U               | 50.0     | mg/Kg |   | 08/07/24 08:59 | 08/07/24 11:55 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0           | U               | 50.0     | mg/Kg |   | 08/07/24 08:59 | 08/07/24 11:55 | 1       |
| Surrogate                            | MB<br>%Recovery | MB<br>Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 118             |                 | 70 - 130 |       |   | 08/07/24 08:59 | 08/07/24 11:55 | 1       |
| o-Terphenyl                          | 117             |                 | 70 - 130 |       |   | 08/07/24 08:59 | 08/07/24 11:55 | 1       |

Lab Sample ID: LCS 880-87722/2-A

Matrix: Solid

Analysis Batch: 87745

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87722

| Analyte                              | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000             | 1117             |                  | mg/Kg |   | 112  | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 1000             | 1249             |                  | mg/Kg |   | 125  | 70 - 130       |
| Surrogate                            | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| 1-Chlorooctane                       | 121              |                  | 70 - 130         |       |   |      |                |
| o-Terphenyl                          | 135              | S1+              | 70 - 130         |       |   |      |                |

Lab Sample ID: LCSD 880-87722/3-A

Matrix: Solid

Analysis Batch: 87745

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87722

| Analyte                              | Spike<br>Added    | LCSD<br>Result    | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|-------------------|-------------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000              | 1093              |                   | mg/Kg |   | 109  | 70 - 130       | 2   | 20           |
| Diesel Range Organics (Over C10-C28) | 1000              | 1202              |                   | mg/Kg |   | 120  | 70 - 130       | 4   | 20           |
| Surrogate                            | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits            |       |   |      |                |     |              |
| 1-Chlorooctane                       | 115               |                   | 70 - 130          |       |   |      |                |     |              |
| o-Terphenyl                          | 126               |                   | 70 - 130          |       |   |      |                |     |              |

Lab Sample ID: MB 880-87885/1-A

Matrix: Solid

Analysis Batch: 87899

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87885

| Analyte                              | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|-----------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0        | U               | 50.0 | mg/Kg |   | 08/08/24 08:52 | 08/08/24 09:36 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U               | 50.0 | mg/Kg |   | 08/08/24 08:52 | 08/08/24 09:36 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U               | 50.0 | mg/Kg |   | 08/08/24 08:52 | 08/08/24 09:36 | 1       |

Eurofins Midland



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-87885/1-A

Matrix: Solid

Analysis Batch: 87899

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87885

|                | MB        | MB        |          |                |                |
|----------------|-----------|-----------|----------|----------------|----------------|
| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       |
| 1-Chlorooctane | 81        |           | 70 - 130 | 08/08/24 08:52 | 08/08/24 09:36 |
| o-Terphenyl    | 75        |           | 70 - 130 | 08/08/24 08:52 | 08/08/24 09:36 |

Lab Sample ID: LCS 880-87885/2-A

Matrix: Solid

Analysis Batch: 87899

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87885

|                                      |  |  | Spike | LCS    | LCS       |       |   |      | %Rec     |  |
|--------------------------------------|--|--|-------|--------|-----------|-------|---|------|----------|--|
| Analyte                              |  |  | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Gasoline Range Organics (GRO)-C6-C10 |  |  | 1000  | 1190   |           | mg/Kg |   | 119  | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) |  |  | 1000  | 1098   |           | mg/Kg |   | 110  | 70 - 130 |  |

|                | LCS       | LCS       |          |  |
|----------------|-----------|-----------|----------|--|
| Surrogate      | %Recovery | Qualifier | Limits   |  |
| 1-Chlorooctane | 131       | S1+       | 70 - 130 |  |
| o-Terphenyl    | 107       |           | 70 - 130 |  |

Lab Sample ID: LCSD 880-87885/3-A

Matrix: Solid

Analysis Batch: 87899

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87885

|                                      |  |  | Spike | LCSD   | LCSD      |       |   |      | %Rec     |     | RPD   |  |
|--------------------------------------|--|--|-------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte                              |  |  | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |  |
| Gasoline Range Organics (GRO)-C6-C10 |  |  | 1000  | 948.7  | *1        | mg/Kg |   | 95   | 70 - 130 | 23  | 20    |  |
| Diesel Range Organics (Over C10-C28) |  |  | 1000  | 855.9  | *1        | mg/Kg |   | 86   | 70 - 130 | 25  | 20    |  |

|                | LCSD      | LCSD      |          |  |
|----------------|-----------|-----------|----------|--|
| Surrogate      | %Recovery | Qualifier | Limits   |  |
| 1-Chlorooctane | 100       |           | 70 - 130 |  |
| o-Terphenyl    | 82        |           | 70 - 130 |  |

Eurofins Midland

## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

## GC VOA

## Prep Batch: 87737

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46959-1        | CSB-18-4.0-20240806    | Total/NA  | Solid  | 5035   |            |
| 880-46959-2        | CSB-31-4.0-20240806    | Total/NA  | Solid  | 5035   |            |
| 880-46959-3        | CSB-29-4.0-20240806    | Total/NA  | Solid  | 5035   |            |
| 880-46959-4        | CSB-19-6.0-20240806    | Total/NA  | Solid  | 5035   |            |
| 880-46959-5        | CSW-13-0-3-20240806    | Total/NA  | Solid  | 5035   |            |
| 880-46959-6        | CSB-30-4.0-20240806    | Total/NA  | Solid  | 5035   |            |
| MB 880-87737/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-87737/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-87737/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 87760

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46959-1        | CSB-18-4.0-20240806    | Total/NA  | Solid  | 8021B  | 87737      |
| 880-46959-2        | CSB-31-4.0-20240806    | Total/NA  | Solid  | 8021B  | 87737      |
| 880-46959-3        | CSB-29-4.0-20240806    | Total/NA  | Solid  | 8021B  | 87737      |
| 880-46959-4        | CSB-19-6.0-20240806    | Total/NA  | Solid  | 8021B  | 87737      |
| 880-46959-5        | CSW-13-0-3-20240806    | Total/NA  | Solid  | 8021B  | 87737      |
| 880-46959-6        | CSB-30-4.0-20240806    | Total/NA  | Solid  | 8021B  | 87737      |
| MB 880-87737/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 87737      |
| LCS 880-87737/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 87737      |
| LCSD 880-87737/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 87737      |

## Analysis Batch: 87889

| Lab Sample ID | Client Sample ID    | Prep Type | Matrix | Method     | Prep Batch |
|---------------|---------------------|-----------|--------|------------|------------|
| 880-46959-1   | CSB-18-4.0-20240806 | Total/NA  | Solid  | Total BTEX |            |
| 880-46959-2   | CSB-31-4.0-20240806 | Total/NA  | Solid  | Total BTEX |            |
| 880-46959-3   | CSB-29-4.0-20240806 | Total/NA  | Solid  | Total BTEX |            |
| 880-46959-4   | CSB-19-6.0-20240806 | Total/NA  | Solid  | Total BTEX |            |
| 880-46959-5   | CSW-13-0-3-20240806 | Total/NA  | Solid  | Total BTEX |            |
| 880-46959-6   | CSB-30-4.0-20240806 | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 87722

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-46959-1        | CSB-18-4.0-20240806    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46959-3        | CSB-29-4.0-20240806    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46959-4        | CSB-19-6.0-20240806    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46959-5        | CSW-13-0-3-20240806    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46959-6        | CSB-30-4.0-20240806    | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-87722/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-87722/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-87722/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 87745

| Lab Sample ID | Client Sample ID    | Prep Type | Matrix | Method   | Prep Batch |
|---------------|---------------------|-----------|--------|----------|------------|
| 880-46959-1   | CSB-18-4.0-20240806 | Total/NA  | Solid  | 8015B NM | 87722      |
| 880-46959-3   | CSB-29-4.0-20240806 | Total/NA  | Solid  | 8015B NM | 87722      |
| 880-46959-4   | CSB-19-6.0-20240806 | Total/NA  | Solid  | 8015B NM | 87722      |
| 880-46959-5   | CSW-13-0-3-20240806 | Total/NA  | Solid  | 8015B NM | 87722      |
| 880-46959-6   | CSB-30-4.0-20240806 | Total/NA  | Solid  | 8015B NM | 87722      |

Eurofins Midland



QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

GC Semi VOA (Continued)

Analysis Batch: 87745 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| MB 880-87722/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 87722      |
| LCS 880-87722/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 87722      |
| LCSD 880-87722/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 87722      |

Analysis Batch: 87876

| Lab Sample ID | Client Sample ID    | Prep Type | Matrix | Method  | Prep Batch |
|---------------|---------------------|-----------|--------|---------|------------|
| 880-46959-1   | CSB-18-4.0-20240806 | Total/NA  | Solid  | 8015 NM |            |
| 880-46959-2   | CSB-31-4.0-20240806 | Total/NA  | Solid  | 8015 NM |            |
| 880-46959-3   | CSB-29-4.0-20240806 | Total/NA  | Solid  | 8015 NM |            |
| 880-46959-4   | CSB-19-6.0-20240806 | Total/NA  | Solid  | 8015 NM |            |
| 880-46959-5   | CSW-13-0-3-20240806 | Total/NA  | Solid  | 8015 NM |            |
| 880-46959-6   | CSB-30-4.0-20240806 | Total/NA  | Solid  | 8015 NM |            |

Prep Batch: 87885

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-46959-2        | CSB-31-4.0-20240806    | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-87885/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-87885/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-87885/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

Analysis Batch: 87899

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46959-2        | CSB-31-4.0-20240806    | Total/NA  | Solid  | 8015B NM | 87885      |
| MB 880-87885/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 87885      |
| LCS 880-87885/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 87885      |
| LCSD 880-87885/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 87885      |

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

Client Sample ID: CSB-18-4.0-20240806  
Date Collected: 08/06/24 09:05  
Date Received: 08/07/24 08:00

Lab Sample ID: 880-46959-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 87737        | 08/07/24 11:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87760        | 08/07/24 21:57       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87889        | 08/07/24 21:57       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87876        | 08/07/24 19:58       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 87722        | 08/07/24 08:59       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87745        | 08/07/24 19:58       | TKC     | EET MID |

Client Sample ID: CSB-31-4.0-20240806  
Date Collected: 08/06/24 09:40  
Date Received: 08/07/24 08:00

Lab Sample ID: 880-46959-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 87737        | 08/07/24 11:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87760        | 08/07/24 22:18       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87889        | 08/07/24 22:18       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87876        | 08/08/24 16:33       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 87885        | 08/08/24 11:52       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87899        | 08/08/24 16:33       | TKC     | EET MID |

Client Sample ID: CSB-29-4.0-20240806  
Date Collected: 08/06/24 10:30  
Date Received: 08/07/24 08:00

Lab Sample ID: 880-46959-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 87737        | 08/07/24 11:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87760        | 08/07/24 22:39       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87889        | 08/07/24 22:39       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87876        | 08/07/24 20:51       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 87722        | 08/07/24 08:59       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87745        | 08/07/24 20:51       | TKC     | EET MID |

Client Sample ID: CSB-19-6.0-20240806  
Date Collected: 08/06/24 10:45  
Date Received: 08/07/24 08:00

Lab Sample ID: 880-46959-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 87737        | 08/07/24 11:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87760        | 08/07/24 22:59       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87889        | 08/07/24 22:59       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87876        | 08/07/24 21:08       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 87722        | 08/07/24 08:59       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87745        | 08/07/24 21:08       | TKC     | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

Client Sample ID: CSW-13-0-3-20240806  
Date Collected: 08/06/24 14:40  
Date Received: 08/07/24 08:00

Lab Sample ID: 880-46959-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 87737        | 08/07/24 11:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87760        | 08/07/24 23:20       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87889        | 08/07/24 23:20       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87876        | 08/07/24 21:25       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 87722        | 08/07/24 08:59       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87745        | 08/07/24 21:25       | TKC     | EET MID |

Client Sample ID: CSB-30-4.0-20240806  
Date Collected: 08/06/24 16:15  
Date Received: 08/07/24 08:00

Lab Sample ID: 880-46959-6  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 87737        | 08/07/24 11:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87760        | 08/07/24 23:41       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 87889        | 08/07/24 23:41       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 87876        | 08/07/24 21:42       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 87722        | 08/07/24 08:59       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 87745        | 08/07/24 21:42       | TKC     | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |



Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

| Method      | Method Description               | Protocol | Laboratory |
|-------------|----------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)  | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation           | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 5035        | Closed System Purge and Trap     | SW846    | EET MID    |
| 8015NM Prep | Microextraction                  | SW846    | EET MID    |

**Protocol References:**  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID    | Matrix | Collected      | Received       | Depth |
|---------------|---------------------|--------|----------------|----------------|-------|
| 880-46959-1   | CSB-18-4.0-20240806 | Solid  | 08/06/24 09:05 | 08/07/24 08:00 | 4.0   |
| 880-46959-2   | CSB-31-4.0-20240806 | Solid  | 08/06/24 09:40 | 08/07/24 08:00 | 4.0   |
| 880-46959-3   | CSB-29-4.0-20240806 | Solid  | 08/06/24 10:30 | 08/07/24 08:00 | 4.0   |
| 880-46959-4   | CSB-19-6.0-20240806 | Solid  | 08/06/24 10:45 | 08/07/24 08:00 | 6.0   |
| 880-46959-5   | CSW-13-0-3-20240806 | Solid  | 08/06/24 14:40 | 08/07/24 08:00 | 0-3   |
| 880-46959-6   | CSB-30-4.0-20240806 | Solid  | 08/06/24 16:15 | 08/07/24 08:00 | 4.0   |

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Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 802-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060

Work C...



880-46959 Chain of Custody

Page 1 of 1

|                  |                         |                         |                          |
|------------------|-------------------------|-------------------------|--------------------------|
| Project Manager: | Bryad WYNNC             | Bill to: (if different) |                          |
| Company Name:    | AECOM                   | Company Name:           |                          |
| Address:         | 13355 Noel Rd Suite 400 | Address:                |                          |
| City, State ZIP: | Dallas, TX 75240        | City, State ZIP:        |                          |
| Phone:           | 214-971-1829            | Email:                  | Bryadley.WYNNC@aecom.com |

|                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                              |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project: NM                                                                                                                                                             |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

|                          |                                                                     |                                                                           |          |                                                                     |                    |
|--------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------|----------|---------------------------------------------------------------------|--------------------|
| Project Name:            | Amaco CTB                                                           | Turn Around                                                               |          | ANALYSIS REQUEST                                                    | Preservative Codes |
| Project Number:          | 60734207                                                            | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |          |                                                                     |                    |
| Project Location:        | Loving NM                                                           | Due Date:                                                                 | 24 hr    |                                                                     |                    |
| Sampler's Name:          | J. Passmore                                                         | TAT starts the day received by the lab, if received by 4:30pm             |          |                                                                     |                    |
| PO #:                    |                                                                     |                                                                           |          |                                                                     |                    |
| SAMPLE RECEIPT           | Temp Blank:                                                         | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       | Wet Ice: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |                    |
| Samples Received Intact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID:                                                           |          |                                                                     |                    |
| Cooler Custody Seals:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Correction Factor:                                                        |          |                                                                     |                    |
| Sample Custody Seals:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Temperature Reading:                                                      | 2.3      |                                                                     |                    |
| Total Containers:        |                                                                     | Corrected Temperature:                                                    | 2.2      |                                                                     |                    |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters        | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-------------------|-----------------|
| CSB-14-4.0-20240802   | Soil   | 8/6/24       | 0905         | 4.0   | C         | 1         | Chlorides - 24 hr |                 |
| CSB-3-4.0-20240802    | Soil   | 8/6/24       | 0940         | 4.0   | C         | 1         | BTEX - 3 days     |                 |
| CSB-24-4.0-20240802   | Soil   | 8/6/24       | 1030         | 4.0   | C         | 1         | TPH - 3 days      |                 |
| CSA-19-6.0-20240802   | Soil   | 8/6/24       | 1045         | 6.0   | C         | 1         |                   |                 |
| CSW-13-0-3-20240802   | Soil   | 8/6/24       | 1440         | 0-3   | C         | 1         |                   |                 |
| CSB-20-4.0-20240802   | Soil   | 8/6/24       | 1615         | 4.0   | C         | 1         |                   |                 |

|                                              |                   |                                                      |                                                                                               |
|----------------------------------------------|-------------------|------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020:     | 8RCRA 13PPM Texas 11                                 | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: | 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245.1 / 7470 / 7471                                                                |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |             |                              |                          |           |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i>           | <i>[Signature]</i>       | 8/7/24 1630 |                              |                          |           |
|                              |                          |             |                              |                          |           |
|                              |                          |             |                              |                          |           |
|                              |                          |             |                              |                          |           |

## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46959-1

SDG Number: Loving, NM

Login Number: 46959

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/8/2024 12:01:57 PM Revision 1

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-46959-2

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

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8/8/2024 12:01:57 PM  
Revision 1



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-46959-2  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-2  
SDG: Loving, NM

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| U         | Indicates the analyte was analyzed for but not detected.                                                                                                  |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ▫              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-46959-2

**Job ID: 880-46959-2**

**Eurofins Midland**

**Job Narrative  
880-46959-2**

### REVISION

The report being provided is a revision of the original report sent on 8/8/2024. The report (revision 1) is being revised due to Per client email, requesting sample ID correction.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### **Receipt**

The samples were received on 8/7/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C.

### **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-18-4.0-20240806 (880-46959-1), CSB-31-4.0-20240806 (880-46959-2), CSB-29-4.0-20240806 (880-46959-3), CSB-19-6.0-20240806 (880-46959-4), CSW-13-0-3-20240806 (880-46959-5) and CSB-30-4.0-20240806 (880-46959-6).

### **HPLC/IC**

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-87777 and analytical batch 880-87788 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-2  
SDG: Loving, NM

Client Sample ID: CSB-18-4.0-20240806

Lab Sample ID: 880-46959-1

Date Collected: 08/06/24 09:05

Matrix: Solid

Date Received: 08/07/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1010   |           | 4.98 | mg/Kg |   |          | 08/08/24 05:36 | 1       |

Client Sample ID: CSB-31-4.0-20240806

Lab Sample ID: 880-46959-2

Date Collected: 08/06/24 09:40

Matrix: Solid

Date Received: 08/07/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 602    |           | 4.96 | mg/Kg |   |          | 08/08/24 05:54 | 1       |

Client Sample ID: CSB-29-4.0-20240806

Lab Sample ID: 880-46959-3

Date Collected: 08/06/24 10:30

Matrix: Solid

Date Received: 08/07/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 269    |           | 5.04 | mg/Kg |   |          | 08/08/24 06:01 | 1       |

Client Sample ID: CSB-19-6.0-20240806

Lab Sample ID: 880-46959-4

Date Collected: 08/06/24 10:45

Matrix: Solid

Date Received: 08/07/24 08:00

Sample Depth: 6.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 389    |           | 4.98 | mg/Kg |   |          | 08/08/24 06:07 | 1       |

Client Sample ID: CSW-13-0-3-20240806

Lab Sample ID: 880-46959-5

Date Collected: 08/06/24 14:40

Matrix: Solid

Date Received: 08/07/24 08:00

Sample Depth: 0-3

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 598    |           | 5.05 | mg/Kg |   |          | 08/08/24 06:13 | 1       |

Client Sample ID: CSB-30-4.0-20240806

Lab Sample ID: 880-46959-6

Date Collected: 08/06/24 16:15

Matrix: Solid

Date Received: 08/07/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 1060   |           | 5.05 | mg/Kg |   |          | 08/08/24 06:31 | 1       |

Eurofins Midland



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-2  
SDG: Loving, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87777/1-A

Matrix: Solid

Analysis Batch: 87788

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 | mg/Kg |   |          | 08/08/24 05:18 | 1       |

Lab Sample ID: LCS 880-87777/2-A

Matrix: Solid

Analysis Batch: 87788

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 247.5         |                  | mg/Kg |   | 99   | 90 - 110       |

Lab Sample ID: LCSD 880-87777/3-A

Matrix: Solid

Analysis Batch: 87788

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 247.5          |                   | mg/Kg |   | 99   | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-46959-1 MS

Matrix: Solid

Analysis Batch: 87788

Client Sample ID: CSB-18-4.0-20240806

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 1010             |                     | 249            | 1235         | 4               | mg/Kg |   | 90   | 90 - 110       |

Lab Sample ID: 880-46959-1 MSD

Matrix: Solid

Analysis Batch: 87788

Client Sample ID: CSB-18-4.0-20240806

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 1010             |                     | 249            | 1209          | 4                | mg/Kg |   | 79   | 90 - 110       | 2   | 20           |

Eurofins Midland

## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-2  
SDG: Loving, NM

## HPLC/IC

## Leach Batch: 87777

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46959-1        | CSB-18-4.0-20240806    | Soluble   | Solid  | DI Leach |            |
| 880-46959-2        | CSB-31-4.0-20240806    | Soluble   | Solid  | DI Leach |            |
| 880-46959-3        | CSB-29-4.0-20240806    | Soluble   | Solid  | DI Leach |            |
| 880-46959-4        | CSB-19-6.0-20240806    | Soluble   | Solid  | DI Leach |            |
| 880-46959-5        | CSW-13-0-3-20240806    | Soluble   | Solid  | DI Leach |            |
| 880-46959-6        | CSB-30-4.0-20240806    | Soluble   | Solid  | DI Leach |            |
| MB 880-87777/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-87777/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-87777/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-46959-1 MS     | CSB-18-4.0-20240806    | Soluble   | Solid  | DI Leach |            |
| 880-46959-1 MSD    | CSB-18-4.0-20240806    | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 87788

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46959-1        | CSB-18-4.0-20240806    | Soluble   | Solid  | 300.0  | 87777      |
| 880-46959-2        | CSB-31-4.0-20240806    | Soluble   | Solid  | 300.0  | 87777      |
| 880-46959-3        | CSB-29-4.0-20240806    | Soluble   | Solid  | 300.0  | 87777      |
| 880-46959-4        | CSB-19-6.0-20240806    | Soluble   | Solid  | 300.0  | 87777      |
| 880-46959-5        | CSW-13-0-3-20240806    | Soluble   | Solid  | 300.0  | 87777      |
| 880-46959-6        | CSB-30-4.0-20240806    | Soluble   | Solid  | 300.0  | 87777      |
| MB 880-87777/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 87777      |
| LCS 880-87777/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 87777      |
| LCSD 880-87777/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 87777      |
| 880-46959-1 MS     | CSB-18-4.0-20240806    | Soluble   | Solid  | 300.0  | 87777      |
| 880-46959-1 MSD    | CSB-18-4.0-20240806    | Soluble   | Solid  | 300.0  | 87777      |



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-2  
SDG: Loving, NM

Client Sample ID: CSB-18-4.0-20240806  
Date Collected: 08/06/24 09:05  
Date Received: 08/07/24 08:00

Lab Sample ID: 880-46959-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87777        | 08/07/24 15:40       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87788        | 08/08/24 05:36       | CH      | EET MID |

Client Sample ID: CSB-31-4.0-20240806  
Date Collected: 08/06/24 09:40  
Date Received: 08/07/24 08:00

Lab Sample ID: 880-46959-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 87777        | 08/07/24 15:40       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87788        | 08/08/24 05:54       | CH      | EET MID |

Client Sample ID: CSB-29-4.0-20240806  
Date Collected: 08/06/24 10:30  
Date Received: 08/07/24 08:00

Lab Sample ID: 880-46959-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 87777        | 08/07/24 15:40       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87788        | 08/08/24 06:01       | CH      | EET MID |

Client Sample ID: CSB-19-6.0-20240806  
Date Collected: 08/06/24 10:45  
Date Received: 08/07/24 08:00

Lab Sample ID: 880-46959-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87777        | 08/07/24 15:40       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87788        | 08/08/24 06:07       | CH      | EET MID |

Client Sample ID: CSW-13-0-3-20240806  
Date Collected: 08/06/24 14:40  
Date Received: 08/07/24 08:00

Lab Sample ID: 880-46959-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 87777        | 08/07/24 15:40       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87788        | 08/08/24 06:13       | CH      | EET MID |

Client Sample ID: CSB-30-4.0-20240806  
Date Collected: 08/06/24 16:15  
Date Received: 08/07/24 08:00

Lab Sample ID: 880-46959-6  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 87777        | 08/07/24 15:40       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87788        | 08/08/24 06:31       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-2  
SDG: Loving, NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

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Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-2  
SDG: Loving, NM

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

ASTM = ASTM International  
EPA = US Environmental Protection Agency

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46959-2  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID    | Matrix | Collected      | Received       | Depth |
|---------------|---------------------|--------|----------------|----------------|-------|
| 880-46959-1   | CSB-18-4.0-20240806 | Solid  | 08/06/24 09:05 | 08/07/24 08:00 | 4.0   |
| 880-46959-2   | CSB-31-4.0-20240806 | Solid  | 08/06/24 09:40 | 08/07/24 08:00 | 4.0   |
| 880-46959-3   | CSB-29-4.0-20240806 | Solid  | 08/06/24 10:30 | 08/07/24 08:00 | 4.0   |
| 880-46959-4   | CSB-19-6.0-20240806 | Solid  | 08/06/24 10:45 | 08/07/24 08:00 | 6.0   |
| 880-46959-5   | CSW-13-0-3-20240806 | Solid  | 08/06/24 14:40 | 08/07/24 08:00 | 0-3   |
| 880-46959-6   | CSB-30-4.0-20240806 | Solid  | 08/06/24 16:15 | 08/07/24 08:00 | 4.0   |





Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 802-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060

Work C...



880-46959 Chain of Custody

Page 1 of 1

|                  |                         |                         |                         |
|------------------|-------------------------|-------------------------|-------------------------|
| Project Manager: | Bryad WYNN              | Bill to: (if different) |                         |
| Company Name:    | AECOM                   | Company Name:           |                         |
| Address:         | 13355 Noel Rd Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas, TX 75240        | City, State ZIP:        |                         |
| Phone:           | 214-971-1829            | Email:                  | Bryadley.Wynn@aecom.com |

|                     |                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Work Order Comments |                                                                                                                                     |
| Program: UST/PST    | <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund   |
| State of Project:   | NM                                                                                                                                  |
| Reporting: Level II | <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV |
| Deliverables: EDD   | <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                           |

|                          |             |                                                               |                                                                           |            |  |
|--------------------------|-------------|---------------------------------------------------------------|---------------------------------------------------------------------------|------------|--|
| Project Name:            | Amaco CTB   | Turn Around                                                   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code |  |
| Project Number:          | 60734207    | Due Date:                                                     | 24 hr                                                                     |            |  |
| Project Location:        | Loving NM   | TAT starts the day received by the lab, if received by 4:30pm |                                                                           |            |  |
| Sampler's Name:          | J. Passmore |                                                               |                                                                           |            |  |
| PO #:                    |             |                                                               |                                                                           |            |  |
| SAMPLE RECEIPT           | Temp Blank: | Yes (No)                                                      | Wet Ice:                                                                  | (Yes) No   |  |
| Samples Received Intact: | Yes (No)    |                                                               | Thermometer ID:                                                           | 188        |  |
| Cooler Custody Seals:    | Yes (No)    |                                                               | Correction Factor:                                                        | -1         |  |
| Sample Custody Seals:    | Yes (No)    |                                                               | Temperature Reading:                                                      | 2.3        |  |
| Total Containers:        | Yes (No)    |                                                               | Corrected Temperature:                                                    | 2.2        |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters        |               |              |  |  |  |  |  |  |  | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-------------------|---------------|--------------|--|--|--|--|--|--|--|-----------------|
|                       |        |              |              |       |           |           | Chlorides - 24 hr | BTEX - 3 days | TPH - 3 days |  |  |  |  |  |  |  |                 |
| CSB-14-4.0-20240802   | Soil   | 8/6/24       | 0905         | 4.0   | C         | 1         | X                 | X             | X            |  |  |  |  |  |  |  |                 |
| CSB-3-4.0-20240802    | Soil   | 8/6/24       | 0940         | 4.0   | C         | 1         | X                 | X             | X            |  |  |  |  |  |  |  |                 |
| CSB-24-4.0-20240802   | Soil   | 8/6/24       | 1030         | 4.0   | C         | 1         | X                 | X             | X            |  |  |  |  |  |  |  |                 |
| CSA-19-6.0-20240802   | Soil   | 8/6/24       | 1045         | 6.0   | C         | 1         | X                 | X             | X            |  |  |  |  |  |  |  |                 |
| CSW-13-0.3-20240901   | Soil   | 8/6/24       | 1440         | 0-3   | C         | 1         | X                 | X             | X            |  |  |  |  |  |  |  |                 |
| CSB-20-4.0-20240802   | Soil   | 8/6/24       | 1615         | 4.0   | C         | 1         | X                 | X             | X            |  |  |  |  |  |  |  |                 |

|                                              |               |                   |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|----------------------------------------------|---------------|-------------------|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|------------------|----|----|----|----|---|---|----|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM       | Texas 11 | Al | Sb | As | Ba | Be | B  | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | Se | Ag | SiO <sub>2</sub> | Na | Sr | Ti | Sn | U | V | Zn |
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010: | 8RCRA    | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se | Ag | Ti | U  |    |   |    |    |                  |    |    |    |    |   |   |    |
| Hg: 1631 / 245.1 / 7470 / 7471               |               |                   |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |

Note: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |             |                              |                          |           |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i>           | <i>[Signature]</i>       | 8/7/24 1630 |                              |                          |           |
|                              |                          |             |                              |                          |           |
|                              |                          |             |                              |                          |           |
|                              |                          |             |                              |                          |           |

Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46959-2

SDG Number: Loving, NM

Login Number: 46959

List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/12/2024 3:21:39 PM

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-47072-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/12/2024 3:21:39 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47072-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-1  
SDG: Loving, NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1+       | Surrogate recovery exceeds control limits, high biased.                                                        |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ▫              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47072-1

**Job ID: 880-47072-1**

**Eurofins Midland**

### Job Narrative 880-47072-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/9/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.3°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-090-4.0-20240808 (880-47072-1), CSB-022-10.0-20240808 (880-47072-2), CSB-059-5.0-20240808 (880-47072-3), CSB-068-5.0-20240808 (880-47072-4), CSB-095-5.0-20240808 (880-47072-5), CSB-077-5.0-20240808 (880-47072-6), CSB-086-5.0-20240808 (880-47072-7), CSB-032-4.0-20240808 (880-47072-8), CSB-104-4.5-20240808 (880-47072-9), CSW-07-0-3-20240808 (880-47072-10), CSB-098-4.0-20240808 (880-47072-11), CSB-088-4.0-20240808 (880-47072-12), CSB-103-4.0-20240808 (880-47072-13), CSB-080-4.0-20240808 (880-47072-14), CSB-097-4.0-20240808 (880-47072-15), CSB-081-4.0-20240808 (880-47072-16), CSB-105-4.0-20240808 (880-47072-17), CSB-089-4.0-20240808 (880-47072-18), CSB-060-5.0-20240808 (880-47072-19), CSB-079-4.0-20240808 (880-47072-20) and CSB-109-5.0-20240808 (880-47072-21).

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-87976 and analytical batch 880-88013 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-87976/2-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-1  
SDG: Loving, NM

Client Sample ID: CSB-022-10.0-20240808

Lab Sample ID: 880-47072-2

Date Collected: 08/08/24 07:45

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00140 | U         | 0.00201 | 0.00140 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 12:05 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | 0.00201 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 12:05 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00201 | 0.00109 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 12:05 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 12:05 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00201 | 0.00159 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 12:05 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 12:05 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 | 08/09/24 10:20 | 08/09/24 12:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 08/09/24 10:20 | 08/09/24 12:05 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   |          | 08/09/24 12:05 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 22.6   | J         | 50.0 | 15.1 | mg/Kg |   |          | 08/11/24 03:19 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 50.0 | 14.5 | mg/Kg |   | 08/09/24 09:21 | 08/11/24 03:19 | 1       |
| Diesel Range Organics (Over C10-C28) | 22.6   | J         | 50.0 | 15.1 | mg/Kg |   | 08/09/24 09:21 | 08/11/24 03:19 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 08/09/24 09:21 | 08/11/24 03:19 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 129       |           | 70 - 130 | 08/09/24 09:21 | 08/11/24 03:19 | 1       |
| o-Terphenyl    | 118       |           | 70 - 130 | 08/09/24 09:21 | 08/11/24 03:19 | 1       |

Client Sample ID: CSB-032-4.0-20240808

Lab Sample ID: 880-47072-8

Date Collected: 08/08/24 11:00

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 12:26 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 12:26 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 12:26 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 12:26 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 12:26 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 12:26 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 | 08/09/24 10:20 | 08/09/24 12:26 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 08/09/24 10:20 | 08/09/24 12:26 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 08/09/24 12:26 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-1  
SDG: Loving, NM

Client Sample ID: CSB-032-4.0-20240808  
Date Collected: 08/08/24 11:00  
Date Received: 08/09/24 08:00

Lab Sample ID: 880-47072-8  
Matrix: Solid

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH                                                | 40.0   | J         | 50.0 | 15.1 | mg/Kg |   |          | 08/11/24 03:34 | 1       |  |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |      |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|--|
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 08/09/24 09:21 | 08/11/24 03:34 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | 40.0      | J         | 50.0     | 15.1 | mg/Kg |   | 08/09/24 09:21 | 08/11/24 03:34 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 08/09/24 09:21 | 08/11/24 03:34 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 85        |           | 70 - 130 |      |       |   | 08/09/24 09:21 | 08/11/24 03:34 | 1       |  |
| o-Terphenyl                                               | 78        |           | 70 - 130 |      |       |   | 08/09/24 09:21 | 08/11/24 03:34 | 1       |  |

Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-1  
SDG: Loving, NM

Method: 8021B - Volatile Organic Compounds (GC)  
Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-47072-2                       | CSB-022-10.0-20240808  | 106                                            | 95                |
| 880-47072-2 MS                    | CSB-022-10.0-20240808  | 103                                            | 98                |
| 880-47072-2 MSD                   | CSB-022-10.0-20240808  | 102                                            | 97                |
| 880-47072-8                       | CSB-032-4.0-20240808   | 105                                            | 95                |
| LCS 880-87978/1-A                 | Lab Control Sample     | 104                                            | 98                |
| LCSD 880-87978/2-A                | Lab Control Sample Dup | 101                                            | 97                |
| MB 880-87978/5-A                  | Method Blank           | 106                                            | 90                |
| Surrogate Legend                  |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

Method: 8015B NM - Diesel Range Organics (DRO) (GC)  
Matrix: Solid

Prep Type: Total/NA

|                      |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|----------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID        | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-47072-2          | CSB-022-10.0-20240808  | 129                                            | 118               |
| 880-47072-8          | CSB-032-4.0-20240808   | 85                                             | 78                |
| 890-6992-A-1-B MS    | Matrix Spike           | 100                                            | 83                |
| 890-6992-A-1-C MSD   | Matrix Spike Duplicate | 109                                            | 90                |
| LCS 880-87976/2-A    | Lab Control Sample     | 137 S1+                                        | 115               |
| LCSD 880-87976/3-A   | Lab Control Sample Dup | 119                                            | 98                |
| MB 880-87976/1-A     | Method Blank           | 170 S1+                                        | 161 S1+           |
| Surrogate Legend     |                        |                                                |                   |
| 1CO = 1-Chlorooctane |                        |                                                |                   |
| OTPH = o-Terphenyl   |                        |                                                |                   |



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-87978/5-A

Matrix: Solid

Analysis Batch: 87961

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87978

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139     | U               | 0.00200 | 0.00139 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 11:43 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | 0.00200 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 11:43 | 1       |
| Ethylbenzene        | <0.00109     | U               | 0.00200 | 0.00109 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 11:43 | 1       |
| m-Xylene & p-Xylene | <0.00229     | U               | 0.00400 | 0.00229 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 11:43 | 1       |
| o-Xylene            | <0.00158     | U               | 0.00200 | 0.00158 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 11:43 | 1       |
| Xylenes, Total      | <0.00229     | U               | 0.00400 | 0.00229 | mg/Kg |   | 08/09/24 10:20 | 08/09/24 11:43 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106             |                 | 70 - 130 | 08/09/24 10:20 | 08/09/24 11:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 90              |                 | 70 - 130 | 08/09/24 10:20 | 08/09/24 11:43 | 1       |

Lab Sample ID: LCS 880-87978/1-A

Matrix: Solid

Analysis Batch: 87961

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87978

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1168        |                  | mg/Kg |   | 117  | 70 - 130       |
| Toluene             | 0.100          | 0.1048        |                  | mg/Kg |   | 105  | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.1093        |                  | mg/Kg |   | 109  | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.2294        |                  | mg/Kg |   | 115  | 70 - 130       |
| o-Xylene            | 0.100          | 0.1120        |                  | mg/Kg |   | 112  | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 104              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98               |                  | 70 - 130 |

Lab Sample ID: LCSD 880-87978/2-A

Matrix: Solid

Analysis Batch: 87961

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87978

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1191         |                   | mg/Kg |   | 119  | 70 - 130       | 2   | 35           |
| Toluene             | 0.100          | 0.1066         |                   | mg/Kg |   | 107  | 70 - 130       | 2   | 35           |
| Ethylbenzene        | 0.100          | 0.1092         |                   | mg/Kg |   | 109  | 70 - 130       | 0   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2309         |                   | mg/Kg |   | 115  | 70 - 130       | 1   | 35           |
| o-Xylene            | 0.100          | 0.1131         |                   | mg/Kg |   | 113  | 70 - 130       | 1   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 101               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97                |                   | 70 - 130 |

Lab Sample ID: 880-47072-2 MS

Matrix: Solid

Analysis Batch: 87961

Client Sample ID: CSB-022-10.0-20240808

Prep Type: Total/NA

Prep Batch: 87978

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00140         | U                   | 0.100          | 0.1101       |                 | mg/Kg |   | 110  | 70 - 130       |
| Toluene | <0.00201         | U                   | 0.100          | 0.09924      |                 | mg/Kg |   | 99   | 70 - 130       |

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QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-1  
SDG: Loving, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-47072-2 MS  
Matrix: Solid  
Analysis Batch: 87961

Client Sample ID: CSB-022-10.0-20240808  
Prep Type: Total/NA  
Prep Batch: 87978

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene                | <0.00109      | U                | 0.100       | 0.1019    |              | mg/Kg |   | 102  | 70 - 130    |
| m-Xylene & p-Xylene         | <0.00229      | U                | 0.200       | 0.2143    |              | mg/Kg |   | 107  | 70 - 130    |
| o-Xylene                    | <0.00159      | U                | 0.100       | 0.1042    |              | mg/Kg |   | 104  | 70 - 130    |
|                             |               |                  |             |           |              |       |   |      |             |
| Surrogate                   | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |
| 4-Bromofluorobenzene (Surr) | 103           |                  | 70 - 130    |           |              |       |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 98            |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 880-47072-2 MSD  
Matrix: Solid  
Analysis Batch: 87961

Client Sample ID: CSB-022-10.0-20240808  
Prep Type: Total/NA  
Prep Batch: 87978

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene                     | <0.00140      | U                | 0.100       | 0.1153     |               | mg/Kg |   | 115  | 70 - 130    | 5   | 35        |
| Toluene                     | <0.00201      | U                | 0.100       | 0.1032     |               | mg/Kg |   | 103  | 70 - 130    | 4   | 35        |
| Ethylbenzene                | <0.00109      | U                | 0.100       | 0.1058     |               | mg/Kg |   | 106  | 70 - 130    | 4   | 35        |
| m-Xylene & p-Xylene         | <0.00229      | U                | 0.200       | 0.2228     |               | mg/Kg |   | 111  | 70 - 130    | 4   | 35        |
| o-Xylene                    | <0.00159      | U                | 0.100       | 0.1087     |               | mg/Kg |   | 109  | 70 - 130    | 4   | 35        |
|                             |               |                  |             |            |               |       |   |      |             |     |           |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 102           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 97            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-87976/1-A  
Matrix: Solid  
Analysis Batch: 88013

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 87976

| Analyte                              | MB Result    | MB Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5        | U            | 50.0     | 14.5 | mg/Kg |   | 08/09/24 09:21 | 08/10/24 17:24 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1        | U            | 50.0     | 15.1 | mg/Kg |   | 08/09/24 09:21 | 08/10/24 17:24 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1        | U            | 50.0     | 15.1 | mg/Kg |   | 08/09/24 09:21 | 08/10/24 17:24 | 1       |
|                                      |              |              |          |      |       |   |                |                |         |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |      |       |   |                |                |         |
| 1-Chlorooctane                       | 170          | S1+          | 70 - 130 |      |       |   |                |                |         |
| o-Terphenyl                          | 161          | S1+          | 70 - 130 |      |       |   |                |                |         |

Lab Sample ID: LCS 880-87976/2-A  
Matrix: Solid  
Analysis Batch: 88013

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 87976

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1091       |               | mg/Kg |   | 109  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1161       |               | mg/Kg |   | 116  | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-87976/2-A

Matrix: Solid

Analysis Batch: 88013

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87976

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 137       | S1+       | 70 - 130 |
| o-Terphenyl    | 115       |           | 70 - 130 |

Lab Sample ID: LCSD 880-87976/3-A

Matrix: Solid

Analysis Batch: 88013

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87976

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1019        |                | mg/Kg |   | 102  | 70 - 130    | 7   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 986.7       |                | mg/Kg |   | 99   | 70 - 130    | 16  | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 119       |           | 70 - 130 |
| o-Terphenyl    | 98        |           | 70 - 130 |

Lab Sample ID: 890-6992-A-1-B MS

Matrix: Solid

Analysis Batch: 88013

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 87976

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 997         | 933.4     |              | mg/Kg |   | 94   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <15.1         | U                | 997         | 837.1     |              | mg/Kg |   | 84   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 100       |           | 70 - 130 |
| o-Terphenyl    | 83        |           | 70 - 130 |

Lab Sample ID: 890-6992-A-1-C MSD

Matrix: Solid

Analysis Batch: 88013

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 87976

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 997         | 1024       |               | mg/Kg |   | 103  | 70 - 130    | 9   | 20        |
| Diesel Range Organics (Over C10-C28) | <15.1         | U                | 997         | 874.2      |               | mg/Kg |   | 88   | 70 - 130    | 4   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 109       |           | 70 - 130 |
| o-Terphenyl    | 90        |           | 70 - 130 |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-1  
SDG: Loving, NM

## GC VOA

## Analysis Batch: 87961

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-47072-2        | CSB-022-10.0-20240808  | Total/NA  | Solid  | 8021B  | 87978      |
| 880-47072-8        | CSB-032-4.0-20240808   | Total/NA  | Solid  | 8021B  | 87978      |
| MB 880-87978/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 87978      |
| LCS 880-87978/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 87978      |
| LCSD 880-87978/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 87978      |
| 880-47072-2 MS     | CSB-022-10.0-20240808  | Total/NA  | Solid  | 8021B  | 87978      |
| 880-47072-2 MSD    | CSB-022-10.0-20240808  | Total/NA  | Solid  | 8021B  | 87978      |

## Prep Batch: 87978

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-47072-2        | CSB-022-10.0-20240808  | Total/NA  | Solid  | 5035   |            |
| 880-47072-8        | CSB-032-4.0-20240808   | Total/NA  | Solid  | 5035   |            |
| MB 880-87978/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-87978/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-87978/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-47072-2 MS     | CSB-022-10.0-20240808  | Total/NA  | Solid  | 5035   |            |
| 880-47072-2 MSD    | CSB-022-10.0-20240808  | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 88202

| Lab Sample ID | Client Sample ID      | Prep Type | Matrix | Method     | Prep Batch |
|---------------|-----------------------|-----------|--------|------------|------------|
| 880-47072-2   | CSB-022-10.0-20240808 | Total/NA  | Solid  | Total BTEX |            |
| 880-47072-8   | CSB-032-4.0-20240808  | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 87976

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-47072-2        | CSB-022-10.0-20240808  | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47072-8        | CSB-032-4.0-20240808   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-87976/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-87976/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-87976/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-6992-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-6992-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 88013

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47072-2        | CSB-022-10.0-20240808  | Total/NA  | Solid  | 8015B NM | 87976      |
| 880-47072-8        | CSB-032-4.0-20240808   | Total/NA  | Solid  | 8015B NM | 87976      |
| MB 880-87976/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 87976      |
| LCS 880-87976/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 87976      |
| LCSD 880-87976/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 87976      |
| 890-6992-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 87976      |
| 890-6992-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 87976      |

## Analysis Batch: 88195

| Lab Sample ID | Client Sample ID      | Prep Type | Matrix | Method  | Prep Batch |
|---------------|-----------------------|-----------|--------|---------|------------|
| 880-47072-2   | CSB-022-10.0-20240808 | Total/NA  | Solid  | 8015 NM |            |
| 880-47072-8   | CSB-032-4.0-20240808  | Total/NA  | Solid  | 8015 NM |            |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-1  
SDG: Loving, NM

Client Sample ID: CSB-022-10.0-20240808  
Date Collected: 08/08/24 07:45  
Date Received: 08/09/24 08:00

Lab Sample ID: 880-47072-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 87978        | 08/09/24 10:20       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87961        | 08/09/24 12:05       | EL      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88202        | 08/09/24 12:05       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88195        | 08/11/24 03:19       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 87976        | 08/09/24 09:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88013        | 08/11/24 03:19       | TKC     | EET MID |

Client Sample ID: CSB-032-4.0-20240808  
Date Collected: 08/08/24 11:00  
Date Received: 08/09/24 08:00

Lab Sample ID: 880-47072-8  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 87978        | 08/09/24 10:20       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 87961        | 08/09/24 12:26       | EL      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88202        | 08/09/24 12:26       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88195        | 08/11/24 03:34       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 87976        | 08/09/24 09:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88013        | 08/11/24 03:34       | TKC     | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |



Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-1  
SDG: Loving, NM

| Method      | Method Description               | Protocol | Laboratory |
|-------------|----------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)  | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation           | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 5035        | Closed System Purge and Trap     | SW846    | EET MID    |
| 8015NM Prep | Microextraction                  | SW846    | EET MID    |

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID      | Matrix | Collected      | Received       |
|---------------|-----------------------|--------|----------------|----------------|
| 880-47072-2   | CSB-022-10.0-20240808 | Solid  | 08/08/24 07:45 | 08/09/24 08:00 |
| 880-47072-8   | CSB-032-4.0-20240808  | Solid  | 08/08/24 11:00 | 08/09/24 08:00 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14





Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 989-3199  
Little Rock, AR (501) 224-5080

Work



880-47072 Chain of Custody

Page 1 of 3

|                  |                         |                         |                       |
|------------------|-------------------------|-------------------------|-----------------------|
| Project Manager: | Bryad Wynne             | Bill to: (if different) |                       |
| Company Name:    | AECOM                   | Company Name:           |                       |
| Address:         | 13355 Nacy Rd Suite 400 | Address:                |                       |
| City, State ZIP: | Dallas, TX 75240        | City, State ZIP:        |                       |
| Phone:           | 214-971-1829            | Email:                  | Bryad.Wynne@aecom.com |

|                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                              |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project: NM                                                                                                                                                             |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

|                          |                                                                     |                                                               |                                                                           |            |                                                                     |
|--------------------------|---------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------|------------|---------------------------------------------------------------------|
| Project Name:            | Amoco CTS                                                           | Tum Around                                                    | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code |                                                                     |
| Project Number:          | 60734207                                                            | Due Date:                                                     | 24 hr                                                                     |            |                                                                     |
| Project Location:        | Loving NM                                                           | TAT starts the day received by the lab, if received by 4:30pm |                                                                           |            |                                                                     |
| Sampler's Name:          | J. Passmarc                                                         |                                                               |                                                                           |            |                                                                     |
| PO #:                    |                                                                     |                                                               |                                                                           |            |                                                                     |
| SAMPLE RECEIPT           |                                                                     | Temp Blank:                                                   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>       | Wet Ice:   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Samples Received Intact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID:                                               |                                                                           |            |                                                                     |
| Cooler Custody Seals:    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Correction Factor:                                            |                                                                           |            |                                                                     |
| Sample Custody Seals:    | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Temperature Reading:                                          | 3.9                                                                       |            |                                                                     |
| Total Containers:        |                                                                     | Corrected Temperature:                                        | 3.3                                                                       |            |                                                                     |
| Parameters               |                                                                     |                                                               |                                                                           |            |                                                                     |
| Chlorides - 24 hr        |                                                                     |                                                               |                                                                           |            |                                                                     |
| BTEX - 3 days            |                                                                     |                                                               |                                                                           |            |                                                                     |
| TPH - 3 days             |                                                                     |                                                               |                                                                           |            |                                                                     |

| Sample Identification      | Matrix | Date Sampled | Time Sampled | Depth | Grab Comp | # of Cont | Ch | BT | TP |  |  |  |  |  |  |  |  |  |  | Sample Comments |
|----------------------------|--------|--------------|--------------|-------|-----------|-----------|----|----|----|--|--|--|--|--|--|--|--|--|--|-----------------|
| CSB-090-4.0-20240808 Soil  |        | 8/8/24       | 0930         | 4.0   | C         | 1         | X  |    |    |  |  |  |  |  |  |  |  |  |  |                 |
| CSB-022-10.0-20240808 Soil |        | 8/8/24       | 0945         | 10.0  | C         | 1         | X  |    | X  |  |  |  |  |  |  |  |  |  |  |                 |
| CSB-009-5.0-20240808 Soil  |        | 8/8/24       | 0830         | 5.0   | C         | 1         | X  |    |    |  |  |  |  |  |  |  |  |  |  |                 |
| CSB-068-5.0-20240808 Soil  |        | 8/8/24       | 0850         | 5.0   | C         | 1         | X  |    |    |  |  |  |  |  |  |  |  |  |  |                 |
| CSB-095-5.0-20240808 Soil  |        | 8/8/24       | 1000         | 5.0   | C         | 1         | X  |    |    |  |  |  |  |  |  |  |  |  |  |                 |
| CSB-097-5.0-20240808 Soil  |        | 8/8/24       | 1010         | 5.0   | C         | 1         | X  |    |    |  |  |  |  |  |  |  |  |  |  |                 |
| CSB-086-5.0-20240808 Soil  |        | 8/8/24       | 1025         | 5.0   | C         | 1         | X  |    |    |  |  |  |  |  |  |  |  |  |  |                 |
| CSB-037-4.0-20240808 Soil  |        | 8/8/24       | 1130         | 4.0   | C         | 1         | X  |    | X  |  |  |  |  |  |  |  |  |  |  |                 |
| CSB-104-4.5-20240808 Soil  |        | 8/8/24       | 1140         | 4.5   | C         | 1         | X  |    |    |  |  |  |  |  |  |  |  |  |  |                 |
| CSW-07-0-3-20240808 Soil   |        | 8/8/24       | 1210         | 0-3   | C         | 1         | X  |    |    |  |  |  |  |  |  |  |  |  |  |                 |

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 A Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of services. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |             |                              |                          |             |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-------------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time   |
| 1 <i>[Signature]</i>         | <i>[Signature]</i>       | 8/9/24 0805 | 2 <i>[Signature]</i>         | <i>[Signature]</i>       | 8/8/24 1630 |
| 3                            |                          |             | 4                            |                          |             |
| 5                            |                          |             | 6                            |                          |             |



Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 382-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060

Work Order No: 47072

Page 2 of 3

|                  |                        |                         |                       |
|------------------|------------------------|-------------------------|-----------------------|
| Project Manager: | Bryan Wynne            | Bill to: (if different) |                       |
| Company Name:    | AECOM                  | Company Name:           |                       |
| Address:         | 13855 Nod Rd Suite 400 | Address:                |                       |
| City, State ZIP: | Dallas, TX 75240       | City, State ZIP:        |                       |
| Phone:           | 214-991-1819           | Email:                  | Bryan.Wynne@aecom.com |

|                     |                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Work Order Comments |                                                                                                                                     |
| Program: UST/PT     | <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund   |
| State of Project:   | AM                                                                                                                                  |
| Reporting: Level II | <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV |
| Deliverables: EDD   | <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                           |

|                          |             |                                                               |                                                                           |            |     |    |
|--------------------------|-------------|---------------------------------------------------------------|---------------------------------------------------------------------------|------------|-----|----|
| Project Name:            | ANEXO CTD   | Turn Around                                                   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code |     |    |
| Project Number:          | 60734207    | Due Date:                                                     | 24hr                                                                      |            |     |    |
| Project Location:        | Loving NM   | TAT starts the day received by the lab, if received by 4:30pm |                                                                           |            |     |    |
| Sampler's Name:          | J. Passmore |                                                               |                                                                           |            |     |    |
| PO #:                    |             |                                                               |                                                                           |            |     |    |
| SAMPLE RECEIPT           | Temp Blank: | Yes                                                           | No                                                                        | Wet Ice:   | Yes | No |
| Samples Received Intact: | Yes         | No                                                            | Thermometer ID:                                                           |            |     |    |
| Cooler Custody Seals:    | Yes         | No                                                            | Correction Factor:                                                        |            |     |    |
| Sample Custody Seals:    | Yes         | No                                                            | Temperature Reading:                                                      |            |     |    |
| Total Containers:        |             | Corrected Temperature:                                        |                                                                           |            |     |    |

| Sample Identification     | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters | ANALYSIS REQUEST | Preservative Codes                                                |
|---------------------------|--------|--------------|--------------|-------|-----------|-----------|------------|------------------|-------------------------------------------------------------------|
| CSB-098-4.0-20240808 Soil | Soil   | 8/8/24       | 1235         | 4.0   | C         | 1         | X          | Chlorides-24 hr  | None: NO DI Water: H <sub>2</sub> O                               |
| CSB-088-4.0-20240808 Soil | Soil   | 8/8/24       | 1245         | 4.0   | C         | 1         | X          | BTEX-3 days      | Cool: Cool MeOH: Me                                               |
| CSB-103-4.0-20240808 Soil | Soil   | 8/8/24       | 1255         | 4.0   | C         | 1         | X          | TPH-3 days       | HCL: HC HNO <sub>3</sub>                                          |
| CSB-080-4.0-20240808 Soil | Soil   | 8/8/24       | 1305         | 4.0   | C         | 1         | X          |                  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na          |
| CSB-097-4.0-20240808 Soil | Soil   | 8/8/24       | 1315         | 4.0   | C         | 1         | X          |                  | H <sub>3</sub> PO <sub>4</sub> : HP                               |
| CSB-081-4.0-20240808 Soil | Soil   | 8/8/24       | 1325         | 4.0   | C         | 1         | X          |                  | NaHSO <sub>4</sub> : NABIS                                        |
| CSB-105-4.0-20240808 Soil | Soil   | 8/8/24       | 1335         | 4.0   | C         | 1         | X          |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |
| CSB-091-4.0-20240808 Soil | Soil   | 8/8/24       | 1345         | 4.0   | C         | 1         | X          |                  | Zn Acetate+NaOH: Zn                                               |
| CSB-060-5.0-20240808 Soil | Soil   | 8/8/24       | 1355         | 5.0   | C         | 1         | X          |                  | NaOH+Ascorbic Acid: SAPC                                          |
| CSB-079-4.0-20240808 Soil | Soil   | 8/8/24       | 1405         | 4.0   | C         | 1         | X          |                  |                                                                   |

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 A Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |             |                              |                          |           |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i>           | <i>[Signature]</i>       | 8/9/24 1630 |                              |                          |           |
|                              |                          |             |                              |                          |           |
|                              |                          |             |                              |                          |           |
|                              |                          |             |                              |                          |           |





## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 888-3199  
Little Rock, AR (501) 224-5060

## Chain of Custody

**Work Order No:**

707e

Page 3 of 3

|                  |                         |                         |                         |
|------------------|-------------------------|-------------------------|-------------------------|
| Project Manager: | Brad Wymne              | Bill to: (if different) |                         |
| Company Name:    | AECOM                   | Company Name:           |                         |
| Address:         | 13355 Noel Rd Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas, TX 75240        | City, State ZIP:        |                         |
| Phone:           | 214-921-1927            | Email:                  | bradley.wymne@aecom.com |

| Work Order Comments                                                                                                                                                              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project: <u>AL</u>                                                                                                                                                      |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____                                                                                |  |

|                          |             |                                                               |                                          |                        |        |          |        |  |  |  |  |  |  |                    |  |                                                                   |                            |  |  |
|--------------------------|-------------|---------------------------------------------------------------|------------------------------------------|------------------------|--------|----------|--------|--|--|--|--|--|--|--------------------|--|-------------------------------------------------------------------|----------------------------|--|--|
| Project Name:            | Ameca CTB   | Turn Around                                                   |                                          | ANALYSIS REQUEST       |        |          |        |  |  |  |  |  |  | Preservative Codes |  |                                                                   |                            |  |  |
| Project Number:          | 60734207    | <input type="checkbox"/> Routine                              | <input checked="" type="checkbox"/> Rush | Pres. Code             |        |          |        |  |  |  |  |  |  |                    |  | None: NO                                                          | DI Water: H <sub>2</sub> O |  |  |
| Project Location:        | Loving NM   | Due Date: 24 hr                                               |                                          |                        |        |          |        |  |  |  |  |  |  |                    |  | Cool: Cool                                                        | MeOH: Me                   |  |  |
| Sampler's Name:          | J. Passmarc | TAT starts the day received by the lab, if received by 4:30pm |                                          |                        |        |          |        |  |  |  |  |  |  |                    |  | HCl: HC                                                           | HNO <sub>3</sub>           |  |  |
| PO #:                    |             |                                                               |                                          |                        |        |          |        |  |  |  |  |  |  |                    |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |  |  |
| SAMPLE RECEIPT           |             | Temp Blank:                                                   | Yes No                                   | Thermometer ID:        | Yes No | Wet Ice: | Yes No |  |  |  |  |  |  |                    |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |  |  |
| Samples Received Intact: | Yes No      |                                                               |                                          | Correction Factor:     |        |          |        |  |  |  |  |  |  |                    |  | NaHSO <sub>4</sub> : NABIS                                        |                            |  |  |
| Cooler Custody Seals:    | Yes No N/A  |                                                               |                                          | Temperature Reading:   |        |          |        |  |  |  |  |  |  |                    |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |  |  |
| Sample Custody Seals:    | Yes No N/A  |                                                               |                                          | Corrected Temperature: |        |          |        |  |  |  |  |  |  |                    |  | Zn Acetate+NaOH: Zn                                               |                            |  |  |
| Total Containers:        |             |                                                               |                                          |                        |        |          |        |  |  |  |  |  |  |                    |  | NaOH+Ascorbic Acid: SAPC                                          |                            |  |  |
|                          |             |                                                               |                                          | Parameters             |        |          |        |  |  |  |  |  |  |                    |  |                                                                   |                            |  |  |
|                          |             |                                                               |                                          | larides-24 hr          |        |          |        |  |  |  |  |  |  |                    |  |                                                                   |                            |  |  |
|                          |             |                                                               |                                          | EX-3 days              |        |          |        |  |  |  |  |  |  |                    |  |                                                                   |                            |  |  |
|                          |             |                                                               |                                          | H-3 days               |        |          |        |  |  |  |  |  |  |                    |  |                                                                   |                            |  |  |

[illegible]

| Total 200.7 / 6010                                                     | 200.6 / 6020: |                                                                                               |
|------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------|
| 8RCRA 13PPM                                                            | Texas 11      | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| TCIP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U |               |                                                                                               |
| Hg: 1631 / 245.1 / 7470 / 7471                                         |               |                                                                                               |

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|   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| 1 | <i>[Signature]</i> - AECOM   | <i>[Signature]</i>       | 5/8/24 6:30 |                              |                          |           |
| 2 |                              |                          |             |                              |                          |           |
| 3 |                              |                          |             |                              |                          |           |
| 4 |                              |                          |             |                              |                          |           |
| 5 |                              |                          |             |                              |                          |           |
| 6 |                              |                          |             |                              |                          |           |

## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47072-1

SDG Number: Loving, NM

Login Number: 47072

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/12/2024 10:23:15 AM Revision 1

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-47072-2

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Generated  
8/12/2024 10:23:15 AM  
Revision 1



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47072-2  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-2  
SDG: Loving, NM

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47072-2

Job ID: 880-47072-2

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**Job Narrative**  
**880-47072-2**

REVISION

The report being provided is a revision of the original report sent on 8/9/2024. The report (revision 1) is being revised due to Per client email, requesting sample ID correction.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The samples were received on 8/9/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.3°C.

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-090-4.0-20240808 (880-47072-1), CSB-022-10.0-20240808 (880-47072-2), CSB-059-5.0-20240808 (880-47072-3), CSB-068-5.0-20240808 (880-47072-4), CSB-095-5.0-20240808 (880-47072-5), CSB-077-5.0-20240808 (880-47072-6), CSB-086-5.0-20240808 (880-47072-7), CSB-032-4.0-20240808 (880-47072-8), CSB-104-4.5-20240808 (880-47072-9), CSW-07-0-3-20240808 (880-47072-10), CSB-098-4.0-20240808 (880-47072-11), CSB-088-4.0-20240808 (880-47072-12), CSB-103-4.0-20240808 (880-47072-13), CSB-080-4.0-20240808 (880-47072-14), CSB-097-4.0-20240808 (880-47072-15), CSB-081-4.0-20240808 (880-47072-16), CSB-105-4.0-20240808 (880-47072-17), CSB-089-4.0-20240808 (880-47072-18), CSB-060-5.0-20240808 (880-47072-19), CSB-079-4.0-20240808 (880-47072-20) and CSB-109-5.0-20240808 (880-47072-21).

**HPLC/IC**

Method 300\_ORGFM\_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-87966 and analytical batch 880-87977 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: CSB-090-4.0-20240808 (880-47072-1), CSB-022-10.0-20240808 (880-47072-2), CSB-059-5.0-20240808 (880-47072-3), CSB-068-5.0-20240808 (880-47072-4), CSB-095-5.0-20240808 (880-47072-5), CSB-077-5.0-20240808 (880-47072-6), CSB-086-5.0-20240808 (880-47072-7), CSB-032-4.0-20240808 (880-47072-8), CSB-104-4.5-20240808 (880-47072-9), CSW-07-0-3-20240808 (880-47072-10), (880-47072-A-1-B MS) and (880-47072-A-1-C MSD).

Method 300\_ORGFM\_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-87966 and analytical batch 880-87977 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: CSB-098-4.0-20240808 (880-47072-11), CSB-088-4.0-20240808 (880-47072-12), CSB-103-4.0-20240808 (880-47072-13), CSB-080-4.0-20240808 (880-47072-14), CSB-097-4.0-20240808 (880-47072-15), CSB-081-4.0-20240808 (880-47072-16), CSB-105-4.0-20240808 (880-47072-17), CSB-089-4.0-20240808 (880-47072-18), CSB-060-5.0-20240808 (880-47072-19), CSB-079-4.0-20240808 (880-47072-20), (880-47072-A-11-B MS) and (880-47072-A-11-C MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47072-2

Job ID: 880-47072-2 (Continued)

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-2  
SDG: Loving, NM

Client Sample ID: CSB-090-4.0-20240808

Lab Sample ID: 880-47072-1

Date Collected: 08/08/24 07:30

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 591    | F1        | 5.02 | 0.397 | mg/Kg |   |          | 08/09/24 11:09 | 1       |

Client Sample ID: CSB-022-10.0-20240808

Lab Sample ID: 880-47072-2

Date Collected: 08/08/24 07:45

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 200    |           | 5.04 | 0.398 | mg/Kg |   |          | 08/09/24 11:27 | 1       |

Client Sample ID: CSB-059-5.0-20240808

Lab Sample ID: 880-47072-3

Date Collected: 08/08/24 08:30

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1130   |           | 25.2 | 1.99 | mg/Kg |   |          | 08/09/24 11:33 | 5       |

Client Sample ID: CSB-068-5.0-20240808

Lab Sample ID: 880-47072-4

Date Collected: 08/08/24 08:50

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 739    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/09/24 11:39 | 1       |

Client Sample ID: CSB-095-5.0-20240808

Lab Sample ID: 880-47072-5

Date Collected: 08/08/24 10:00

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1280   |           | 4.98 | 0.393 | mg/Kg |   |          | 08/09/24 11:45 | 1       |

Client Sample ID: CSB-077-5.0-20240808

Lab Sample ID: 880-47072-6

Date Collected: 08/08/24 10:10

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 978    |           | 25.0 | 1.98 | mg/Kg |   |          | 08/09/24 12:04 | 5       |

Client Sample ID: CSB-086-5.0-20240808

Lab Sample ID: 880-47072-7

Date Collected: 08/08/24 10:25

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1280   |           | 25.3 | 1.99 | mg/Kg |   |          | 08/09/24 12:10 | 5       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-2  
SDG: Loving, NM

Client Sample ID: CSB-032-4.0-20240808

Lab Sample ID: 880-47072-8

Date Collected: 08/08/24 11:00

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 509    |           | 5.04 | 0.398 | mg/Kg |   |          | 08/09/24 12:16 | 1       |

Client Sample ID: CSB-104-4.5-20240808

Lab Sample ID: 880-47072-9

Date Collected: 08/08/24 11:40

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 993    |           | 4.95 | 0.391 | mg/Kg |   |          | 08/09/24 12:22 | 1       |

Client Sample ID: CSW-07-0-3-20240808

Lab Sample ID: 880-47072-10

Date Collected: 08/08/24 12:10

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 912    |           | 4.95 | 0.391 | mg/Kg |   |          | 08/09/24 12:28 | 1       |

Client Sample ID: CSB-098-4.0-20240808

Lab Sample ID: 880-47072-11

Date Collected: 08/08/24 12:35

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 333    | F1        | 5.01 | 0.396 | mg/Kg |   |          | 08/09/24 12:34 | 1       |

Client Sample ID: CSB-088-4.0-20240808

Lab Sample ID: 880-47072-12

Date Collected: 08/08/24 12:45

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 306    |           | 5.03 | 0.397 | mg/Kg |   |          | 08/09/24 12:52 | 1       |

Client Sample ID: CSB-103-4.0-20240808

Lab Sample ID: 880-47072-13

Date Collected: 08/08/24 12:55

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 722    |           | 4.97 | 0.393 | mg/Kg |   |          | 08/09/24 12:59 | 1       |

Client Sample ID: CSB-080-4.0-20240808

Lab Sample ID: 880-47072-14

Date Collected: 08/08/24 13:05

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 639    |           | 5.02 | 0.397 | mg/Kg |   |          | 08/09/24 13:17 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-2  
SDG: Loving, NM

Client Sample ID: CSB-097-4.0-20240808

Lab Sample ID: 880-47072-15

Date Collected: 08/08/24 13:15

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 331    |           | 5.01 | 0.396 | mg/Kg |   |          | 08/09/24 13:23 | 1       |

Client Sample ID: CSB-081-4.0-20240808

Lab Sample ID: 880-47072-16

Date Collected: 08/08/24 13:25

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 713    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/09/24 13:29 | 1       |

Client Sample ID: CSB-105-4.0-20240808

Lab Sample ID: 880-47072-17

Date Collected: 08/08/24 13:35

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 782    |           | 5.02 | 0.397 | mg/Kg |   |          | 08/09/24 13:35 | 1       |

Client Sample ID: CSB-089-4.0-20240808

Lab Sample ID: 880-47072-18

Date Collected: 08/08/24 13:45

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 297    |           | 5.05 | 0.399 | mg/Kg |   |          | 08/09/24 13:41 | 1       |

Client Sample ID: CSB-060-5.0-20240808

Lab Sample ID: 880-47072-19

Date Collected: 08/08/24 13:55

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 658    |           | 5.03 | 0.397 | mg/Kg |   |          | 08/09/24 13:47 | 1       |

Client Sample ID: CSB-079-4.0-20240808

Lab Sample ID: 880-47072-20

Date Collected: 08/08/24 14:05

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 748    |           | 4.95 | 0.391 | mg/Kg |   |          | 08/09/24 13:53 | 1       |

Client Sample ID: CSB-109-5.0-20240808

Lab Sample ID: 880-47072-21

Date Collected: 08/08/24 15:10

Matrix: Solid

Date Received: 08/09/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 661    |           | 5.02 | 0.397 | mg/Kg |   |          | 08/09/24 12:08 | 1       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-2  
SDG: Loving, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87966/1-A

Matrix: Solid

Analysis Batch: 87977

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/09/24 10:51 | 1       |

Lab Sample ID: LCS 880-87966/2-A

Matrix: Solid

Analysis Batch: 87977

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 247.8         |                  | mg/Kg |   | 99   | 90 - 110       |

Lab Sample ID: LCSD 880-87966/3-A

Matrix: Solid

Analysis Batch: 87977

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 252.4          |                   | mg/Kg |   | 101  | 90 - 110       | 2   | 20           |

Lab Sample ID: 880-47072-1 MS

Matrix: Solid

Analysis Batch: 87977

Client Sample ID: CSB-090-4.0-20240808

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 591              | F1                  | 251            | 798.6        | F1              | mg/Kg |   | 83   | 90 - 110       |

Lab Sample ID: 880-47072-1 MSD

Matrix: Solid

Analysis Batch: 87977

Client Sample ID: CSB-090-4.0-20240808

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 591              | F1                  | 251            | 797.7         | F1               | mg/Kg |   | 82   | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-47072-11 MS

Matrix: Solid

Analysis Batch: 87977

Client Sample ID: CSB-098-4.0-20240808

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 333              | F1                  | 251            | 555.5        | F1              | mg/Kg |   | 89   | 90 - 110       |

Lab Sample ID: 880-47072-11 MSD

Matrix: Solid

Analysis Batch: 87977

Client Sample ID: CSB-098-4.0-20240808

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 333              | F1                  | 251            | 554.9         | F1               | mg/Kg |   | 89   | 90 - 110       | 0   | 20           |

Lab Sample ID: MB 880-87994/1-A

Matrix: Solid

Analysis Batch: 87998

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/09/24 11:53 | 1       |

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QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-2  
SDG: Loving, NM

Method: 300.0 - Anions, Ion Chromatography

|                                  |  |  |             |                                      |               |       |   |      |             |  |  |
|----------------------------------|--|--|-------------|--------------------------------------|---------------|-------|---|------|-------------|--|--|
| Lab Sample ID: LCS 880-87994/2-A |  |  |             | Client Sample ID: Lab Control Sample |               |       |   |      |             |  |  |
| Matrix: Solid                    |  |  |             | Prep Type: Soluble                   |               |       |   |      |             |  |  |
| Analysis Batch: 87998            |  |  |             |                                      |               |       |   |      |             |  |  |
| Analyte                          |  |  | Spike Added | LCS Result                           | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
| Chloride                         |  |  | 250         | 245.3                                |               | mg/Kg |   | 98   | 90 - 110    |  |  |

|                                   |  |  |             |                                          |                |       |   |      |             |     |           |
|-----------------------------------|--|--|-------------|------------------------------------------|----------------|-------|---|------|-------------|-----|-----------|
| Lab Sample ID: LCSD 880-87994/3-A |  |  |             | Client Sample ID: Lab Control Sample Dup |                |       |   |      |             |     |           |
| Matrix: Solid                     |  |  |             | Prep Type: Soluble                       |                |       |   |      |             |     |           |
| Analysis Batch: 87998             |  |  |             |                                          |                |       |   |      |             |     |           |
| Analyte                           |  |  | Spike Added | LCSD Result                              | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Chloride                          |  |  | 250         | 245.9                                    |                | mg/Kg |   | 98   | 90 - 110    | 0   | 20        |

|                                |               |                  |             |                                        |              |       |   |      |             |  |  |
|--------------------------------|---------------|------------------|-------------|----------------------------------------|--------------|-------|---|------|-------------|--|--|
| Lab Sample ID: 880-47072-21 MS |               |                  |             | Client Sample ID: CSB-109-5.0-20240808 |              |       |   |      |             |  |  |
| Matrix: Solid                  |               |                  |             | Prep Type: Soluble                     |              |       |   |      |             |  |  |
| Analysis Batch: 87998          |               |                  |             |                                        |              |       |   |      |             |  |  |
| Analyte                        | Sample Result | Sample Qualifier | Spike Added | MS Result                              | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
| Chloride                       | 661           |                  | 251         | 890.7                                  |              | mg/Kg |   | 91   | 90 - 110    |  |  |

|                                 |               |                  |             |                                        |               |       |   |      |             |     |           |
|---------------------------------|---------------|------------------|-------------|----------------------------------------|---------------|-------|---|------|-------------|-----|-----------|
| Lab Sample ID: 880-47072-21 MSD |               |                  |             | Client Sample ID: CSB-109-5.0-20240808 |               |       |   |      |             |     |           |
| Matrix: Solid                   |               |                  |             | Prep Type: Soluble                     |               |       |   |      |             |     |           |
| Analysis Batch: 87998           |               |                  |             |                                        |               |       |   |      |             |     |           |
| Analyte                         | Sample Result | Sample Qualifier | Spike Added | MSD Result                             | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Chloride                        | 661           |                  | 251         | 892.8                                  |               | mg/Kg |   | 92   | 90 - 110    | 0   | 20        |

## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-2  
SDG: Loving, NM

## HPLC/IC

## Leach Batch: 87966

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47072-1        | CSB-090-4.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-2        | CSB-022-10.0-20240808  | Soluble   | Solid  | DI Leach |            |
| 880-47072-3        | CSB-059-5.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-4        | CSB-068-5.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-5        | CSB-095-5.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-6        | CSB-077-5.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-7        | CSB-086-5.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-8        | CSB-032-4.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-9        | CSB-104-4.5-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-10       | CSW-07-0-3-20240808    | Soluble   | Solid  | DI Leach |            |
| 880-47072-11       | CSB-098-4.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-12       | CSB-088-4.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-13       | CSB-103-4.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-14       | CSB-080-4.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-15       | CSB-097-4.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-16       | CSB-081-4.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-17       | CSB-105-4.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-18       | CSB-089-4.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-19       | CSB-060-5.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-20       | CSB-079-4.0-20240808   | Soluble   | Solid  | DI Leach |            |
| MB 880-87966/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-87966/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-87966/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-47072-1 MS     | CSB-090-4.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-1 MSD    | CSB-090-4.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-11 MS    | CSB-098-4.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-11 MSD   | CSB-098-4.0-20240808   | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 87977

| Lab Sample ID    | Client Sample ID      | Prep Type | Matrix | Method | Prep Batch |
|------------------|-----------------------|-----------|--------|--------|------------|
| 880-47072-1      | CSB-090-4.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-2      | CSB-022-10.0-20240808 | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-3      | CSB-059-5.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-4      | CSB-068-5.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-5      | CSB-095-5.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-6      | CSB-077-5.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-7      | CSB-086-5.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-8      | CSB-032-4.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-9      | CSB-104-4.5-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-10     | CSW-07-0-3-20240808   | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-11     | CSB-098-4.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-12     | CSB-088-4.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-13     | CSB-103-4.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-14     | CSB-080-4.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-15     | CSB-097-4.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-16     | CSB-081-4.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-17     | CSB-105-4.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-18     | CSB-089-4.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-19     | CSB-060-5.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-20     | CSB-079-4.0-20240808  | Soluble   | Solid  | 300.0  | 87966      |
| MB 880-87966/1-A | Method Blank          | Soluble   | Solid  | 300.0  | 87966      |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-2  
SDG: Loving, NM

## HPLC/IC (Continued)

## Analysis Batch: 87977 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| LCS 880-87966/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 87966      |
| LCSD 880-87966/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-1 MS     | CSB-090-4.0-20240808   | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-1 MSD    | CSB-090-4.0-20240808   | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-11 MS    | CSB-098-4.0-20240808   | Soluble   | Solid  | 300.0  | 87966      |
| 880-47072-11 MSD   | CSB-098-4.0-20240808   | Soluble   | Solid  | 300.0  | 87966      |

## Leach Batch: 87994

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47072-21       | CSB-109-5.0-20240808   | Soluble   | Solid  | DI Leach |            |
| MB 880-87994/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-87994/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-87994/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-47072-21 MS    | CSB-109-5.0-20240808   | Soluble   | Solid  | DI Leach |            |
| 880-47072-21 MSD   | CSB-109-5.0-20240808   | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 87998

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-47072-21       | CSB-109-5.0-20240808   | Soluble   | Solid  | 300.0  | 87994      |
| MB 880-87994/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 87994      |
| LCS 880-87994/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 87994      |
| LCSD 880-87994/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 87994      |
| 880-47072-21 MS    | CSB-109-5.0-20240808   | Soluble   | Solid  | 300.0  | 87994      |
| 880-47072-21 MSD   | CSB-109-5.0-20240808   | Soluble   | Solid  | 300.0  | 87994      |

## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-2  
SDG: Loving, NM

**Client Sample ID: CSB-090-4.0-20240808****Lab Sample ID: 880-47072-1****Date Collected: 08/08/24 07:30****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 11:09       | SMC     | EET MID |

**Client Sample ID: CSB-022-10.0-20240808****Lab Sample ID: 880-47072-2****Date Collected: 08/08/24 07:45****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 11:27       | SMC     | EET MID |

**Client Sample ID: CSB-059-5.0-20240808****Lab Sample ID: 880-47072-3****Date Collected: 08/08/24 08:30****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87977        | 08/09/24 11:33       | SMC     | EET MID |

**Client Sample ID: CSB-068-5.0-20240808****Lab Sample ID: 880-47072-4****Date Collected: 08/08/24 08:50****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 11:39       | SMC     | EET MID |

**Client Sample ID: CSB-095-5.0-20240808****Lab Sample ID: 880-47072-5****Date Collected: 08/08/24 10:00****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 11:45       | SMC     | EET MID |

**Client Sample ID: CSB-077-5.0-20240808****Lab Sample ID: 880-47072-6****Date Collected: 08/08/24 10:10****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87977        | 08/09/24 12:04       | SMC     | EET MID |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-2  
SDG: Loving, NM

**Client Sample ID: CSB-086-5.0-20240808****Lab Sample ID: 880-47072-7****Date Collected: 08/08/24 10:25****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 87977        | 08/09/24 12:10       | SMC     | EET MID |

**Client Sample ID: CSB-032-4.0-20240808****Lab Sample ID: 880-47072-8****Date Collected: 08/08/24 11:00****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 12:16       | SMC     | EET MID |

**Client Sample ID: CSB-104-4.5-20240808****Lab Sample ID: 880-47072-9****Date Collected: 08/08/24 11:40****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 12:22       | SMC     | EET MID |

**Client Sample ID: CSW-07-0-3-20240808****Lab Sample ID: 880-47072-10****Date Collected: 08/08/24 12:10****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 12:28       | SMC     | EET MID |

**Client Sample ID: CSB-098-4.0-20240808****Lab Sample ID: 880-47072-11****Date Collected: 08/08/24 12:35****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 12:34       | SMC     | EET MID |

**Client Sample ID: CSB-088-4.0-20240808****Lab Sample ID: 880-47072-12****Date Collected: 08/08/24 12:45****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 12:52       | SMC     | EET MID |

Eurofins Midland

## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-2  
SDG: Loving, NM

**Client Sample ID: CSB-103-4.0-20240808****Lab Sample ID: 880-47072-13****Date Collected: 08/08/24 12:55****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 12:59       | SMC     | EET MID |

**Client Sample ID: CSB-080-4.0-20240808****Lab Sample ID: 880-47072-14****Date Collected: 08/08/24 13:05****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 13:17       | SMC     | EET MID |

**Client Sample ID: CSB-097-4.0-20240808****Lab Sample ID: 880-47072-15****Date Collected: 08/08/24 13:15****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 13:23       | SMC     | EET MID |

**Client Sample ID: CSB-081-4.0-20240808****Lab Sample ID: 880-47072-16****Date Collected: 08/08/24 13:25****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 13:29       | SMC     | EET MID |

**Client Sample ID: CSB-105-4.0-20240808****Lab Sample ID: 880-47072-17****Date Collected: 08/08/24 13:35****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 13:35       | SMC     | EET MID |

**Client Sample ID: CSB-089-4.0-20240808****Lab Sample ID: 880-47072-18****Date Collected: 08/08/24 13:45****Matrix: Solid****Date Received: 08/09/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 13:41       | SMC     | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-2  
SDG: Loving, NM

Client Sample ID: CSB-060-5.0-20240808  
Date Collected: 08/08/24 13:55  
Date Received: 08/09/24 08:00

Lab Sample ID: 880-47072-19  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 13:47       | SMC     | EET MID |

Client Sample ID: CSB-079-4.0-20240808  
Date Collected: 08/08/24 14:05  
Date Received: 08/09/24 08:00

Lab Sample ID: 880-47072-20  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 87966        | 08/09/24 09:06       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87977        | 08/09/24 13:53       | SMC     | EET MID |

Client Sample ID: CSB-109-5.0-20240808  
Date Collected: 08/08/24 15:10  
Date Received: 08/09/24 08:00

Lab Sample ID: 880-47072-21  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 87994        | 08/09/24 11:15       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 87998        | 08/09/24 12:08       | SMC     | EET MID |

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-2  
SDG: Loving, NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

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Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-2  
SDG: Loving, NM

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

ASTM = ASTM International  
EPA = US Environmental Protection Agency

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47072-2  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID      | Matrix | Collected      | Received       |
|---------------|-----------------------|--------|----------------|----------------|
| 880-47072-1   | CSB-090-4.0-20240808  | Solid  | 08/08/24 07:30 | 08/09/24 08:00 |
| 880-47072-2   | CSB-022-10.0-20240808 | Solid  | 08/08/24 07:45 | 08/09/24 08:00 |
| 880-47072-3   | CSB-059-5.0-20240808  | Solid  | 08/08/24 08:30 | 08/09/24 08:00 |
| 880-47072-4   | CSB-068-5.0-20240808  | Solid  | 08/08/24 08:50 | 08/09/24 08:00 |
| 880-47072-5   | CSB-095-5.0-20240808  | Solid  | 08/08/24 10:00 | 08/09/24 08:00 |
| 880-47072-6   | CSB-077-5.0-20240808  | Solid  | 08/08/24 10:10 | 08/09/24 08:00 |
| 880-47072-7   | CSB-086-5.0-20240808  | Solid  | 08/08/24 10:25 | 08/09/24 08:00 |
| 880-47072-8   | CSB-032-4.0-20240808  | Solid  | 08/08/24 11:00 | 08/09/24 08:00 |
| 880-47072-9   | CSB-104-4.5-20240808  | Solid  | 08/08/24 11:40 | 08/09/24 08:00 |
| 880-47072-10  | CSW-07-0-3-20240808   | Solid  | 08/08/24 12:10 | 08/09/24 08:00 |
| 880-47072-11  | CSB-098-4.0-20240808  | Solid  | 08/08/24 12:35 | 08/09/24 08:00 |
| 880-47072-12  | CSB-088-4.0-20240808  | Solid  | 08/08/24 12:45 | 08/09/24 08:00 |
| 880-47072-13  | CSB-103-4.0-20240808  | Solid  | 08/08/24 12:55 | 08/09/24 08:00 |
| 880-47072-14  | CSB-080-4.0-20240808  | Solid  | 08/08/24 13:05 | 08/09/24 08:00 |
| 880-47072-15  | CSB-097-4.0-20240808  | Solid  | 08/08/24 13:15 | 08/09/24 08:00 |
| 880-47072-16  | CSB-081-4.0-20240808  | Solid  | 08/08/24 13:25 | 08/09/24 08:00 |
| 880-47072-17  | CSB-105-4.0-20240808  | Solid  | 08/08/24 13:35 | 08/09/24 08:00 |
| 880-47072-18  | CSB-089-4.0-20240808  | Solid  | 08/08/24 13:45 | 08/09/24 08:00 |
| 880-47072-19  | CSB-060-5.0-20240808  | Solid  | 08/08/24 13:55 | 08/09/24 08:00 |
| 880-47072-20  | CSB-079-4.0-20240808  | Solid  | 08/08/24 14:05 | 08/09/24 08:00 |
| 880-47072-21  | CSB-109-5.0-20240808  | Solid  | 08/08/24 15:10 | 08/09/24 08:00 |



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Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 989-3199  
Little Rock, AR (501) 224-5080

Work



880-47072 Chain of Custody

Page 1 of 3

Project Manager: Brad Wynn  
Company Name: AECOM  
Address: 13355 Nacy Rd Suite 400  
City, State ZIP: Dallas, TX 75240  
Phone: 214-971-1829 Email: bradley.wynn@aecom.com  
Bill to: (if different)  
Company Name:  
Address:  
City, State ZIP:

Work Order Comments  
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐  
State of Project: NM  
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐  
Deliverables: EDD ☒ ADAPT ☐ Other:

Project Name: AMOCO CTS  
Project Number: 60734207  
Project Location: LOVING NM  
Sampler's Name: J. Passmarc  
PO #:   
SAMPLE RECEIPT  
Temp Blank: Yes (No) Wet Ice: Yes (No)  
Samples Received Intact: Yes (No) Thermometer ID: 188  
Cooler Custody Seals: Yes (No) Correction Factor: 1.1  
Sample Custody Seals: Yes (No) Temperature Reading: 3.9  
Total Containers: Corrected Temperature: 3.3  
Parameters  
Chlorides - 24 hr  
BTEX - 3 days  
TPH - 3 days

| Sample Identification      | Matrix | Date Sampled | Time Sampled | Depth | Grab # of Cont | ANALYSIS REQUEST | Preservative Codes                                                |
|----------------------------|--------|--------------|--------------|-------|----------------|------------------|-------------------------------------------------------------------|
| CSB-090-4.0-20240808 Soil  | Soil   | 8/8/24       | 0930         | 4.0   | 1              |                  | None: NO DI Water: H <sub>2</sub> O                               |
| CSB-022-10.0-20240808 Soil | Soil   | 8/8/24       | 0945         | 10.0  | 1              |                  | Cool: Cool MeOH: Me                                               |
| CSB-009-5.0-20240808 Soil  | Soil   | 8/8/24       | 0830         | 5.0   | 1              |                  | HCL: HC HNO <sub>3</sub>                                          |
| CSB-068-5.0-20240808 Soil  | Soil   | 8/8/24       | 0850         | 5.0   | 1              |                  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na          |
| CSB-095-5.0-20240808 Soil  | Soil   | 8/8/24       | 1000         | 5.0   | 1              |                  | H <sub>3</sub> PO <sub>4</sub> : HP                               |
| CSB-097-5.0-20240808 Soil  | Soil   | 8/8/24       | 1010         | 5.0   | 1              |                  | NaHSO <sub>4</sub> : NABIS                                        |
| CSB-086-5.0-20240808 Soil  | Soil   | 8/8/24       | 1025         | 5.0   | 1              |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |
| CSB-037-4.0-20240808 Soil  | Soil   | 8/8/24       | 1130         | 4.0   | 1              |                  | Zn Acetate+NaOH: Zn                                               |
| CSB-104-4.5-20240808 Soil  | Soil   | 8/8/24       | 1140         | 4.5   | 1              |                  | NaOH+Ascorbic Acid: SAPC                                          |
| CSW-07-0-3-20240808 Soil   | Soil   | 8/8/24       | 1210         | 0-3   | 1              |                  |                                                                   |

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 A Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of services. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| 1 <i>Brad Wynn</i>           | <i>Brad Wynn</i>         | 8/8/24 1630 | 2                            |                          |           |
| 3                            |                          |             | 4                            |                          |           |
| 5                            |                          |             | 6                            |                          |           |



Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 382-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060

Work Order No: 47072

Page 2 of 3

|                  |                        |                         |                         |
|------------------|------------------------|-------------------------|-------------------------|
| Project Manager: | Brad Wynne             | Bill to: (if different) |                         |
| Company Name:    | AECOM                  | Company Name:           |                         |
| Address:         | 13855 Nod Rd Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas, TX 75240       | City, State ZIP:        |                         |
| Phone:           | 214-991-1819           | Email:                  | Bradley.Wynne@aecom.com |

|                     |                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Work Order Comments |                                                                                                                                     |
| Program: UST/PT     | <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund   |
| State of Project:   | NM                                                                                                                                  |
| Reporting: Level II | <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV |
| Deliverables: EDD   | <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                           |

|                          |                        |                                                               |                                                                           |            |     |    |
|--------------------------|------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------|------------|-----|----|
| Project Name:            | ANEXO CTD              | Turn Around                                                   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code |     |    |
| Project Number:          | 60734207               | Due Date:                                                     | 24th                                                                      |            |     |    |
| Project Location:        | Loving NM              | TAT starts the day received by the lab, if received by 4:30pm |                                                                           |            |     |    |
| Sampler's Name:          | J. Passmore            |                                                               |                                                                           |            |     |    |
| PO #:                    |                        |                                                               |                                                                           |            |     |    |
| SAMPLE RECEIPT           | Temp Blank:            | Yes                                                           | No                                                                        | Wet Ice:   | Yes | No |
| Samples Received Intact: | Yes                    | No                                                            | Thermometer ID:                                                           |            |     |    |
| Cooler Custody Seals:    | Yes                    | No                                                            | Correction Factor:                                                        |            |     |    |
| Sample Custody Seals:    | Yes                    | No                                                            | Temperature Reading:                                                      |            |     |    |
| Total Containers:        | Corrected Temperature: |                                                               |                                                                           |            |     |    |

| Sample Identification     | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters | ANALYSIS REQUEST | Preservative Codes                                                |
|---------------------------|--------|--------------|--------------|-------|-----------|-----------|------------|------------------|-------------------------------------------------------------------|
| CSB-098-4.0-20240808 Soil | Soil   | 8/8/24       | 1235         | 4.0   | C         | 1         | X          | Chlorides-24 hr  | None: NO DI Water: H <sub>2</sub> O                               |
| CSB-088-4.0-20240808 Soil | Soil   | 8/8/24       | 1245         | 4.0   | C         | 1         | X          | BTEX-3 days      | Cool: Cool MeOH: Me                                               |
| CSB-103-4.0-20240808 Soil | Soil   | 8/8/24       | 1255         | 4.0   | C         | 1         | X          | TPH-3 days       | HCL: HC HNO <sub>3</sub>                                          |
| CSB-080-4.0-20240808 Soil | Soil   | 8/8/24       | 1305         | 4.0   | C         | 1         | X          |                  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na          |
| CSB-097-4.0-20240808 Soil | Soil   | 8/8/24       | 1315         | 4.0   | C         | 1         | X          |                  | H <sub>3</sub> PO <sub>4</sub> : HP                               |
| CSB-081-4.0-20240808 Soil | Soil   | 8/8/24       | 1325         | 4.0   | C         | 1         | X          |                  | NaHSO <sub>4</sub> : NABIS                                        |
| CSB-105-4.0-20240808 Soil | Soil   | 8/8/24       | 1335         | 4.0   | C         | 1         | X          |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |
| CSB-091-4.0-20240808 Soil | Soil   | 8/8/24       | 1345         | 4.0   | C         | 1         | X          |                  | Zn Acetate+NaOH: Zn                                               |
| CSB-060-5.0-20240808 Soil | Soil   | 8/8/24       | 1355         | 5.0   | C         | 1         | X          |                  | NaOH+Ascorbic Acid: SAPC                                          |
| CSB-079-4.0-20240808 Soil | Soil   | 8/8/24       | 1405         | 4.0   | C         | 1         | X          |                  |                                                                   |

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 A Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |                 |                              |                          |           |
|------------------------------|--------------------------|-----------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time       | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| Wynne - AECOM                | 8/9/24                   | 500 518/24 1630 |                              |                          |           |
|                              |                          |                 |                              |                          |           |
|                              |                          |                 |                              |                          |           |
|                              |                          |                 |                              |                          |           |





## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-0600

## Chain of Custody

**Work Order No:**

707e

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|                  |                         |                  |                         |  |
|------------------|-------------------------|------------------|-------------------------|--|
| Project Manager: | Brad Wyne               |                  | Bill to: (if different) |  |
| Company Name:    | AECOM                   |                  | Company Name:           |  |
| Address:         | 13355 Noel Rd Suite 400 |                  | Address:                |  |
| City, State ZIP: | Dallas, TX 75240        | City, State ZIP: |                         |  |
| Phone:           | 214-921-1927            | Email:           | bradley.wyne@aecom.com  |  |

**Work Order Comments**

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project: **NH**

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☒ ADAPT ☐ Other: \_\_\_\_\_

|                          |             |                                                               |                                          |                        |        |          |        |  |  |  |  |  |  |                    |  |                                                                   |                            |  |  |
|--------------------------|-------------|---------------------------------------------------------------|------------------------------------------|------------------------|--------|----------|--------|--|--|--|--|--|--|--------------------|--|-------------------------------------------------------------------|----------------------------|--|--|
| Project Name:            | Ameca CTB   | Turn Around                                                   |                                          | ANALYSIS REQUEST       |        |          |        |  |  |  |  |  |  | Preservative Codes |  |                                                                   |                            |  |  |
| Project Number:          | 60734207    | <input type="checkbox"/> Routine                              | <input checked="" type="checkbox"/> Rush | Pres. Code             |        |          |        |  |  |  |  |  |  |                    |  | None: NO                                                          | DI Water: H <sub>2</sub> O |  |  |
| Project Location:        | Loving NM   | Due Date: 24 hr                                               |                                          |                        |        |          |        |  |  |  |  |  |  |                    |  | Cool: Cool                                                        | MeOH: Me                   |  |  |
| Sampler's Name:          | J. Passmarc | TAT starts the day received by the lab, if received by 4:30pm |                                          |                        |        |          |        |  |  |  |  |  |  |                    |  | HCl: HC                                                           | HNO <sub>3</sub>           |  |  |
| PO #:                    |             |                                                               |                                          |                        |        |          |        |  |  |  |  |  |  |                    |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |  |  |
| SAMPLE RECEIPT           |             | Temp Blank:                                                   | Yes No                                   | Thermometer ID:        | Yes No | Wet Ice: | Yes No |  |  |  |  |  |  |                    |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |  |  |
| Samples Received Intact: | Yes No      |                                                               |                                          | Correction Factor:     |        |          |        |  |  |  |  |  |  |                    |  | NaHSO <sub>4</sub> : NABIS                                        |                            |  |  |
| Cooler Custody Seals:    | Yes No N/A  |                                                               |                                          | Temperature Reading:   |        |          |        |  |  |  |  |  |  |                    |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |  |  |
| Sample Custody Seals:    | Yes No N/A  |                                                               |                                          | Corrected Temperature: |        |          |        |  |  |  |  |  |  |                    |  | Zn Acetate+NaOH: Zn                                               |                            |  |  |
| Total Containers:        |             |                                                               |                                          |                        |        |          |        |  |  |  |  |  |  |                    |  | NaOH+Ascorbic Acid: SAPC                                          |                            |  |  |
|                          |             |                                                               |                                          | Parameters             |        |          |        |  |  |  |  |  |  |                    |  |                                                                   |                            |  |  |
|                          |             |                                                               |                                          | larides-24 hr          |        |          |        |  |  |  |  |  |  |                    |  |                                                                   |                            |  |  |
|                          |             |                                                               |                                          | EX-3 days              |        |          |        |  |  |  |  |  |  |                    |  |                                                                   |                            |  |  |
|                          |             |                                                               |                                          | H-3 days               |        |          |        |  |  |  |  |  |  |                    |  |                                                                   |                            |  |  |

[illegible]

| Total 200.7 / 6010                                                     | 200.9 / 6020: |                                                                                               |
|------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------|
| 8RCRA 13PPM                                                            | Texas 11      | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U |               | Hg: 1631 / 245.1 / 7470 / 7471                                                                |

Notas: El signature de este documento de cumplimiento de muestras constituye un válido purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xeno. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated.

|   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| 1 | <i>[Signature]</i> - AECOM   | <i>[Signature]</i>       | 5/8/24 6:30 |                              |                          |           |
| 2 |                              |                          |             |                              |                          |           |
| 3 |                              |                          |             |                              |                          |           |
| 4 |                              |                          |             |                              |                          |           |
| 5 |                              |                          |             |                              |                          |           |
| 6 |                              |                          |             |                              |                          |           |

Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47072-2  
SDG Number: Loving, NM

Login Number: 47072  
List Number: 1  
Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/14/2024 11:58:46 AM

## JOB DESCRIPTION

Amoco CTB  
Loving NM

## JOB NUMBER

880-47112-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
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Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47112-1  
SDG: Loving NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1+       | Surrogate recovery exceeds control limits, high biased.                                                        |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ▫              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47112-1

**Job ID: 880-47112-1**

**Eurofins Midland**

### Job Narrative 880-47112-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/10/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-018-4.5-20240809 (880-47112-1), CSW-014-0-4-20240809 (880-47112-2), CSB-030-4.75-20240809 (880-47112-3), CSB-021-10.20-20240809 (880-47112-4), CSW-015-0-2.0-20240809 (880-47112-5), CSB-017-2.5-20240809 (880-47112-6), CSB-020-10.3-20240809 (880-47112-7) and CSB-031-4.75-20240809 (880-47112-8).

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (880-47112-A-1-E MS) and (880-47112-A-1-F MSD). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

Client Sample ID: CSB-018-4.5-20240809  
Date Collected: 08/09/24 07:35  
Date Received: 08/10/24 08:00  
Sample Depth: 4.5

Lab Sample ID: 880-47112-1  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC) |           |           |          |         |       |   |                |                |         |
|-------------------------------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Analyte                                               | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene                                               | <0.00139  | U         | 0.00199  | 0.00139 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 12:17 | 1       |
| Toluene                                               | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 12:17 | 1       |
| Ethylbenzene                                          | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 12:17 | 1       |
| m-Xylene & p-Xylene                                   | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 12:17 | 1       |
| o-Xylene                                              | <0.00158  | U         | 0.00199  | 0.00158 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 12:17 | 1       |
| Xylenes, Total                                        | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 12:17 | 1       |
| Surrogate                                             | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)                           | 107       |           | 70 - 130 |         |       |   | 08/12/24 10:23 | 08/12/24 12:17 | 1       |
| 1,4-Difluorobenzene (Surr)                            | 97        |           | 70 - 130 |         |       |   | 08/12/24 10:23 | 08/12/24 12:17 | 1       |

| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |         |       |   |          |                |         |
|-----------------------------------------------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Analyte                                             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total BTEX                                          | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg |   |          | 08/12/24 12:17 | 1       |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total TPH                                                | 24.7   | J         | 49.9 | 15.1 | mg/Kg |   |          | 08/13/24 17:22 | 1       |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |      |       |   |                |                |         |
|-----------------------------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.5     | U         | 49.9     | 14.5 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 17:22 | 1       |
| Diesel Range Organics (Over C10-C28)                      | 24.7      | J         | 49.9     | 15.1 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 17:22 | 1       |
| Oil Range Organics (Over C28-C36)                         | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 17:22 | 1       |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                                            | 123       |           | 70 - 130 |      |       |   | 08/12/24 08:30 | 08/13/24 17:22 | 1       |
| o-Terphenyl                                               | 128       |           | 70 - 130 |      |       |   | 08/12/24 08:30 | 08/13/24 17:22 | 1       |

Client Sample ID: CSW-014-0-4-20240809  
Date Collected: 08/09/24 07:50  
Date Received: 08/10/24 08:00  
Sample Depth: 0-4

Lab Sample ID: 880-47112-2  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC) |           |           |          |         |       |   |                |                |         |
|-------------------------------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Analyte                                               | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene                                               | <0.00138  | U         | 0.00198  | 0.00138 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 12:38 | 1       |
| Toluene                                               | <0.00198  | U         | 0.00198  | 0.00198 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 12:38 | 1       |
| Ethylbenzene                                          | <0.00108  | U         | 0.00198  | 0.00108 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 12:38 | 1       |
| m-Xylene & p-Xylene                                   | <0.00227  | U         | 0.00397  | 0.00227 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 12:38 | 1       |
| o-Xylene                                              | <0.00157  | U         | 0.00198  | 0.00157 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 12:38 | 1       |
| Xylenes, Total                                        | <0.00227  | U         | 0.00397  | 0.00227 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 12:38 | 1       |
| Surrogate                                             | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)                           | 107       |           | 70 - 130 |         |       |   | 08/12/24 10:23 | 08/12/24 12:38 | 1       |
| 1,4-Difluorobenzene (Surr)                            | 97        |           | 70 - 130 |         |       |   | 08/12/24 10:23 | 08/12/24 12:38 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

Client Sample ID: CSW-014-0-4-20240809  
Date Collected: 08/09/24 07:50  
Date Received: 08/10/24 08:00  
Sample Depth: 0-4

Lab Sample ID: 880-47112-2  
Matrix: Solid

| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |         |       |   |          |                |         |
|-----------------------------------------------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Analyte                                             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total BTEX                                          | <0.00227 | U         | 0.00397 | 0.00227 | mg/Kg | - |          | 08/12/24 12:38 | 1       |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total TPH                                                | <15.1  | U         | 49.8 | 15.1 | mg/Kg | - |          | 08/13/24 18:14 | 1       |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |      |       |   |                |                |         |
|-----------------------------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.5     | U         | 49.8     | 14.5 | mg/Kg | - | 08/12/24 08:30 | 08/13/24 18:14 | 1       |
| Diesel Range Organics (Over C10-C28)                      | <15.1     | U         | 49.8     | 15.1 | mg/Kg | - | 08/12/24 08:30 | 08/13/24 18:14 | 1       |
| Oil Range Organics (Over C28-C36)                         | <15.1     | U         | 49.8     | 15.1 | mg/Kg | - | 08/12/24 08:30 | 08/13/24 18:14 | 1       |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                                            | 100       |           | 70 - 130 |      |       |   | 08/12/24 08:30 | 08/13/24 18:14 | 1       |
| o-Terphenyl                                               | 100       |           | 70 - 130 |      |       |   | 08/12/24 08:30 | 08/13/24 18:14 | 1       |

Client Sample ID: CSB-030-4.75-20240809  
Date Collected: 08/09/24 08:45  
Date Received: 08/10/24 08:00  
Sample Depth: 4.75

Lab Sample ID: 880-47112-3  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC) |           |           |          |         |       |   |                |                |         |
|-------------------------------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Analyte                                               | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene                                               | <0.00140  | U         | 0.00201  | 0.00140 | mg/Kg | - | 08/12/24 10:23 | 08/12/24 12:58 | 1       |
| Toluene                                               | <0.00201  | U         | 0.00201  | 0.00201 | mg/Kg | - | 08/12/24 10:23 | 08/12/24 12:58 | 1       |
| Ethylbenzene                                          | <0.00109  | U         | 0.00201  | 0.00109 | mg/Kg | - | 08/12/24 10:23 | 08/12/24 12:58 | 1       |
| m-Xylene & p-Xylene                                   | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg | - | 08/12/24 10:23 | 08/12/24 12:58 | 1       |
| o-Xylene                                              | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg | - | 08/12/24 10:23 | 08/12/24 12:58 | 1       |
| Xylenes, Total                                        | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg | - | 08/12/24 10:23 | 08/12/24 12:58 | 1       |
| Surrogate                                             | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)                           | 108       |           | 70 - 130 |         |       |   | 08/12/24 10:23 | 08/12/24 12:58 | 1       |
| 1,4-Difluorobenzene (Surr)                            | 96        |           | 70 - 130 |         |       |   | 08/12/24 10:23 | 08/12/24 12:58 | 1       |

| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |         |       |   |          |                |         |
|-----------------------------------------------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Analyte                                             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total BTEX                                          | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg | - |          | 08/12/24 12:58 | 1       |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total TPH                                                | <15.0  | U         | 49.6 | 15.0 | mg/Kg | - |          | 08/13/24 18:31 | 1       |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |                |                |         |
|-----------------------------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Analyte                                                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.4  | U         | 49.6 | 14.4 | mg/Kg | - | 08/12/24 08:30 | 08/13/24 18:31 | 1       |
| Diesel Range Organics (Over C10-C28)                      | <15.0  | U         | 49.6 | 15.0 | mg/Kg | - | 08/12/24 08:30 | 08/13/24 18:31 | 1       |
| Oil Range Organics (Over C28-C36)                         | <15.0  | U         | 49.6 | 15.0 | mg/Kg | - | 08/12/24 08:30 | 08/13/24 18:31 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

Client Sample ID: CSB-030-4.75-20240809

Lab Sample ID: 880-47112-3

Date Collected: 08/09/24 08:45

Matrix: Solid

Date Received: 08/10/24 08:00

Sample Depth: 4.75

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 100       |           | 70 - 130 | 08/12/24 08:30 | 08/13/24 18:31 | 1       |
| o-Terphenyl    | 102       |           | 70 - 130 | 08/12/24 08:30 | 08/13/24 18:31 | 1       |

Client Sample ID: CSB-021-10.20-20240809

Lab Sample ID: 880-47112-4

Date Collected: 08/09/24 09:10

Matrix: Solid

Date Received: 08/10/24 08:00

Sample Depth: 10.25

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00140  | U         | 0.00202  | 0.00140 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 13:19 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  | 0.00202 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 13:19 | 1       |
| Ethylbenzene                | <0.00110  | U         | 0.00202  | 0.00110 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 13:19 | 1       |
| m-Xylene & p-Xylene         | <0.00230  | U         | 0.00403  | 0.00230 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 13:19 | 1       |
| o-Xylene                    | <0.00160  | U         | 0.00202  | 0.00160 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 13:19 | 1       |
| Xylenes, Total              | <0.00230  | U         | 0.00403  | 0.00230 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 13:19 | 1       |
|                             |           |           |          |         |       |   |                |                |         |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 |         |       |   | 08/12/24 10:23 | 08/12/24 13:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |         |       |   | 08/12/24 10:23 | 08/12/24 13:19 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00230 | U         | 0.00403 | 0.00230 | mg/Kg |   |          | 08/12/24 13:19 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   |          | 08/13/24 18:48 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 18:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 18:48 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 18:48 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 108       |           | 70 - 130 |      |       |   | 08/12/24 08:30 | 08/13/24 18:48 | 1       |
| o-Terphenyl                          | 110       |           | 70 - 130 |      |       |   | 08/12/24 08:30 | 08/13/24 18:48 | 1       |

Client Sample ID: CSW-015-0-2.0-20240809

Lab Sample ID: 880-47112-5

Date Collected: 08/09/24 14:00

Matrix: Solid

Date Received: 08/10/24 08:00

Sample Depth: 0-2

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00138 | U         | 0.00199 | 0.00138 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 13:39 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 13:39 | 1       |
| Ethylbenzene        | <0.00108 | U         | 0.00199 | 0.00108 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 13:39 | 1       |
| m-Xylene & p-Xylene | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 13:39 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

Client Sample ID: CSW-015-0-2.0-20240809  
Date Collected: 08/09/24 14:00  
Date Received: 08/10/24 08:00  
Sample Depth: 0-2

Lab Sample ID: 880-47112-5  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued) |           |           |          |         |       |   |                |                |         |  |
|-------------------------------------------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|--|
| Analyte                                                           | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| o-Xylene                                                          | <0.00157  | U         | 0.00199  | 0.00157 | mg/Kg | - | 08/12/24 10:23 | 08/12/24 13:39 | 1       |  |
| Xylenes, Total                                                    | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg | - | 08/12/24 10:23 | 08/12/24 13:39 | 1       |  |
| Surrogate                                                         | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 4-Bromofluorobenzene (Surr)                                       | 111       |           | 70 - 130 |         |       |   | 08/12/24 10:23 | 08/12/24 13:39 | 1       |  |
| 1,4-Difluorobenzene (Surr)                                        | 98        |           | 70 - 130 |         |       |   | 08/12/24 10:23 | 08/12/24 13:39 | 1       |  |

| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |         |       |   |          |                |         |  |
|-----------------------------------------------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|--|
| Analyte                                             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total BTEX                                          | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - |          | 08/12/24 13:39 | 1       |  |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH                                                | <15.0  | U         | 49.6 | 15.0 | mg/Kg | - |          | 08/13/24 19:05 | 1       |  |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |      |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|--|
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.4     | U         | 49.6     | 14.4 | mg/Kg | - | 08/12/24 08:30 | 08/13/24 19:05 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <15.0     | U         | 49.6     | 15.0 | mg/Kg | - | 08/12/24 08:30 | 08/13/24 19:05 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <15.0     | U         | 49.6     | 15.0 | mg/Kg | - | 08/12/24 08:30 | 08/13/24 19:05 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 110       |           | 70 - 130 |      |       |   | 08/12/24 08:30 | 08/13/24 19:05 | 1       |  |
| o-Terphenyl                                               | 111       |           | 70 - 130 |      |       |   | 08/12/24 08:30 | 08/13/24 19:05 | 1       |  |

Client Sample ID: CSB-017-2.5-20240809  
Date Collected: 08/09/24 14:15  
Date Received: 08/10/24 08:00  
Sample Depth: 2.5

Lab Sample ID: 880-47112-6  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC) |           |           |          |         |       |   |                |                |         |  |
|-------------------------------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|--|
| Analyte                                               | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Benzene                                               | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg | - | 08/12/24 10:23 | 08/12/24 14:00 | 1       |  |
| Toluene                                               | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg | - | 08/12/24 10:23 | 08/12/24 14:00 | 1       |  |
| Ethylbenzene                                          | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg | - | 08/12/24 10:23 | 08/12/24 14:00 | 1       |  |
| m-Xylene & p-Xylene                                   | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg | - | 08/12/24 10:23 | 08/12/24 14:00 | 1       |  |
| o-Xylene                                              | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg | - | 08/12/24 10:23 | 08/12/24 14:00 | 1       |  |
| Xylenes, Total                                        | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg | - | 08/12/24 10:23 | 08/12/24 14:00 | 1       |  |
| Surrogate                                             | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 4-Bromofluorobenzene (Surr)                           | 109       |           | 70 - 130 |         |       |   | 08/12/24 10:23 | 08/12/24 14:00 | 1       |  |
| 1,4-Difluorobenzene (Surr)                            | 97        |           | 70 - 130 |         |       |   | 08/12/24 10:23 | 08/12/24 14:00 | 1       |  |

| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |         |       |   |          |                |         |  |
|-----------------------------------------------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|--|
| Analyte                                             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total BTEX                                          | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg | - |          | 08/12/24 14:00 | 1       |  |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

Client Sample ID: CSB-017-2.5-20240809  
Date Collected: 08/09/24 14:15  
Date Received: 08/10/24 08:00  
Sample Depth: 2.5

Lab Sample ID: 880-47112-6  
Matrix: Solid

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)  |           |           |          |      |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|--|
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Total TPH                                                 | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   |                | 08/13/24 19:22 | 1       |  |
| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |      |       |   |                |                |         |  |
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 19:22 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 19:22 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 19:22 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 94        |           | 70 - 130 |      |       |   | 08/12/24 08:30 | 08/13/24 19:22 | 1       |  |
| o-Terphenyl                                               | 96        |           | 70 - 130 |      |       |   | 08/12/24 08:30 | 08/13/24 19:22 | 1       |  |

Client Sample ID: CSB-020-10.3-20240809  
Date Collected: 08/09/24 14:30  
Date Received: 08/10/24 08:00  
Sample Depth: 10.3

Lab Sample ID: 880-47112-7  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC) |           |           |          |         |       |   |                |                |         |  |
|-------------------------------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|--|
| Analyte                                               | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Benzene                                               | <0.00138  | U         | 0.00198  | 0.00138 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 14:20 | 1       |  |
| Toluene                                               | <0.00198  | U         | 0.00198  | 0.00198 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 14:20 | 1       |  |
| Ethylbenzene                                          | <0.00108  | U         | 0.00198  | 0.00108 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 14:20 | 1       |  |
| m-Xylene & p-Xylene                                   | <0.00226  | U         | 0.00396  | 0.00226 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 14:20 | 1       |  |
| o-Xylene                                              | <0.00157  | U         | 0.00198  | 0.00157 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 14:20 | 1       |  |
| Xylenes, Total                                        | <0.00226  | U         | 0.00396  | 0.00226 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 14:20 | 1       |  |
| Surrogate                                             | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 4-Bromofluorobenzene (Surr)                           | 105       |           | 70 - 130 |         |       |   | 08/12/24 10:23 | 08/12/24 14:20 | 1       |  |
| 1,4-Difluorobenzene (Surr)                            | 96        |           | 70 - 130 |         |       |   | 08/12/24 10:23 | 08/12/24 14:20 | 1       |  |

| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |         |       |   |          |                |         |  |
|-----------------------------------------------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|--|
| Analyte                                             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total BTEX                                          | <0.00226 | U         | 0.00396 | 0.00226 | mg/Kg |   |          | 08/12/24 14:20 | 1       |  |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH                                                | 244    |           | 49.8 | 15.1 | mg/Kg |   |          | 08/13/24 19:39 | 1       |  |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |      |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|--|
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.5     | U         | 49.8     | 14.5 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 19:39 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | 244       |           | 49.8     | 15.1 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 19:39 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 19:39 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 106       |           | 70 - 130 |      |       |   | 08/12/24 08:30 | 08/13/24 19:39 | 1       |  |
| o-Terphenyl                                               | 108       |           | 70 - 130 |      |       |   | 08/12/24 08:30 | 08/13/24 19:39 | 1       |  |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

Client Sample ID: CSB-031-4.75-20240809

Lab Sample ID: 880-47112-8

Date Collected: 08/09/24 14:40

Matrix: Solid

Date Received: 08/10/24 08:00

Sample Depth: 4.75

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00140 | U         | 0.00201 | 0.00140 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 14:41 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | 0.00201 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 14:41 | 1       |
| Ethylbenzene        | <0.00110 | U         | 0.00201 | 0.00110 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 14:41 | 1       |
| m-Xylene & p-Xylene | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 14:41 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00201 | 0.00159 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 14:41 | 1       |
| Xylenes, Total      | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 14:41 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 | 08/12/24 10:23 | 08/12/24 14:41 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 | 08/12/24 10:23 | 08/12/24 14:41 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   |          | 08/12/24 14:41 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.0  | U         | 49.7 | 15.0 | mg/Kg |   |          | 08/13/24 19:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.4  | U         | 49.7 | 14.4 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 19:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.0  | U         | 49.7 | 15.0 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 19:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.0  | U         | 49.7 | 15.0 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 19:56 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 94        |           | 70 - 130 | 08/12/24 08:30 | 08/13/24 19:56 | 1       |
| o-Terphenyl    | 95        |           | 70 - 130 | 08/12/24 08:30 | 08/13/24 19:56 | 1       |

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Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

Method: 8021B - Volatile Organic Compounds (GC)  
Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|-----------------------------------|------------------------|------------------------------------------------|----------|--|--|--|--|
| Lab Sample ID                     | Client Sample ID       | BFB1                                           | DFBZ1    |  |  |  |  |
|                                   |                        | (70-130)                                       | (70-130) |  |  |  |  |
| 880-47112-1                       | CSB-018-4.5-20240809   | 107                                            | 97       |  |  |  |  |
| 880-47112-1 MS                    | CSB-018-4.5-20240809   | 107                                            | 101      |  |  |  |  |
| 880-47112-1 MSD                   | CSB-018-4.5-20240809   | 107                                            | 100      |  |  |  |  |
| 880-47112-2                       | CSW-014-0-4-20240809   | 107                                            | 97       |  |  |  |  |
| 880-47112-3                       | CSB-030-4.75-20240809  | 108                                            | 96       |  |  |  |  |
| 880-47112-4                       | CSB-021-10.20-20240809 | 111                                            | 97       |  |  |  |  |
| 880-47112-5                       | CSW-015-0-2.0-20240809 | 111                                            | 98       |  |  |  |  |
| 880-47112-6                       | CSB-017-2.5-20240809   | 109                                            | 97       |  |  |  |  |
| 880-47112-7                       | CSB-020-10.3-20240809  | 105                                            | 96       |  |  |  |  |
| 880-47112-8                       | CSB-031-4.75-20240809  | 110                                            | 98       |  |  |  |  |
| LCS 880-88152/1-A                 | Lab Control Sample     | 106                                            | 98       |  |  |  |  |
| LCSD 880-88152/2-A                | Lab Control Sample Dup | 104                                            | 100      |  |  |  |  |
| MB 880-88152/5-A                  | Method Blank           | 109                                            | 92       |  |  |  |  |
| Surrogate Legend                  |                        |                                                |          |  |  |  |  |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |          |  |  |  |  |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |          |  |  |  |  |

Method: 8015B NM - Diesel Range Organics (DRO) (GC)  
Matrix: Solid

Prep Type: Total/NA

|                      |                        | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|----------------------|------------------------|------------------------------------------------|----------|--|--|--|--|
| Lab Sample ID        | Client Sample ID       | 1CO1                                           | OTPH1    |  |  |  |  |
|                      |                        | (70-130)                                       | (70-130) |  |  |  |  |
| 880-47112-1          | CSB-018-4.5-20240809   | 123                                            | 128      |  |  |  |  |
| 880-47112-1 MS       | CSB-018-4.5-20240809   | 118                                            | 132 S1+  |  |  |  |  |
| 880-47112-1 MSD      | CSB-018-4.5-20240809   | 119                                            | 133 S1+  |  |  |  |  |
| 880-47112-2          | CSW-014-0-4-20240809   | 100                                            | 100      |  |  |  |  |
| 880-47112-3          | CSB-030-4.75-20240809  | 100                                            | 102      |  |  |  |  |
| 880-47112-4          | CSB-021-10.20-20240809 | 108                                            | 110      |  |  |  |  |
| 880-47112-5          | CSW-015-0-2.0-20240809 | 110                                            | 111      |  |  |  |  |
| 880-47112-6          | CSB-017-2.5-20240809   | 94                                             | 96       |  |  |  |  |
| 880-47112-7          | CSB-020-10.3-20240809  | 106                                            | 108      |  |  |  |  |
| 880-47112-8          | CSB-031-4.75-20240809  | 94                                             | 95       |  |  |  |  |
| LCS 880-88142/2-A    | Lab Control Sample     | 111                                            | 126      |  |  |  |  |
| LCSD 880-88142/3-A   | Lab Control Sample Dup | 108                                            | 120      |  |  |  |  |
| MB 880-88142/1-A     | Method Blank           | 120                                            | 110      |  |  |  |  |
| Surrogate Legend     |                        |                                                |          |  |  |  |  |
| 1CO = 1-Chlorooctane |                        |                                                |          |  |  |  |  |
| OTPH = o-Terphenyl   |                        |                                                |          |  |  |  |  |



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-88152/5-A

Matrix: Solid

Analysis Batch: 88137

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88152

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139     | U               | 0.00200 | 0.00139 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 11:56 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | 0.00200 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 11:56 | 1       |
| Ethylbenzene        | <0.00109     | U               | 0.00200 | 0.00109 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 11:56 | 1       |
| m-Xylene & p-Xylene | <0.00229     | U               | 0.00400 | 0.00229 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 11:56 | 1       |
| o-Xylene            | <0.00158     | U               | 0.00200 | 0.00158 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 11:56 | 1       |
| Xylenes, Total      | <0.00229     | U               | 0.00400 | 0.00229 | mg/Kg |   | 08/12/24 10:23 | 08/12/24 11:56 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109             |                 | 70 - 130 | 08/12/24 10:23 | 08/12/24 11:56 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92              |                 | 70 - 130 | 08/12/24 10:23 | 08/12/24 11:56 | 1       |

Lab Sample ID: LCS 880-88152/1-A

Matrix: Solid

Analysis Batch: 88137

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88152

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.09675       |                  | mg/Kg |   | 97   | 70 - 130       |
| Toluene             | 0.100          | 0.08685       |                  | mg/Kg |   | 87   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.08934       |                  | mg/Kg |   | 89   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1901        |                  | mg/Kg |   | 95   | 70 - 130       |
| o-Xylene            | 0.100          | 0.09451       |                  | mg/Kg |   | 95   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 106              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98               |                  | 70 - 130 |

Lab Sample ID: LCSD 880-88152/2-A

Matrix: Solid

Analysis Batch: 88137

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 88152

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1105         |                   | mg/Kg |   | 110  | 70 - 130       | 13  | 35           |
| Toluene             | 0.100          | 0.09908        |                   | mg/Kg |   | 99   | 70 - 130       | 13  | 35           |
| Ethylbenzene        | 0.100          | 0.1020         |                   | mg/Kg |   | 102  | 70 - 130       | 13  | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2169         |                   | mg/Kg |   | 108  | 70 - 130       | 13  | 35           |
| o-Xylene            | 0.100          | 0.1075         |                   | mg/Kg |   | 107  | 70 - 130       | 13  | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 104               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 100               |                   | 70 - 130 |

Lab Sample ID: 880-47112-1 MS

Matrix: Solid

Analysis Batch: 88137

Client Sample ID: CSB-018-4.5-20240809

Prep Type: Total/NA

Prep Batch: 88152

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00139         | U                   | 0.0962         | 0.1162       |                 | mg/Kg |   | 121  | 70 - 130       |
| Toluene | <0.00199         | U                   | 0.0962         | 0.1041       |                 | mg/Kg |   | 108  | 70 - 130       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-47112-1 MS

Matrix: Solid

Analysis Batch: 88137

Client Sample ID: CSB-018-4.5-20240809

Prep Type: Total/NA

Prep Batch: 88152

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00108      | U                | 0.0962      | 0.1074    |              | mg/Kg |   | 112  | 70 - 130    |
| m-Xylene & p-Xylene | <0.00228      | U                | 0.192       | 0.2283    |              | mg/Kg |   | 119  | 70 - 130    |
| o-Xylene            | <0.00158      | U                | 0.0962      | 0.1118    |              | mg/Kg |   | 116  | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 107          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101          |              | 70 - 130 |

Lab Sample ID: 880-47112-1 MSD

Matrix: Solid

Analysis Batch: 88137

Client Sample ID: CSB-018-4.5-20240809

Prep Type: Total/NA

Prep Batch: 88152

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00139      | U                | 0.101       | 0.1199     |               | mg/Kg |   | 119  | 70 - 130    | 3   | 35        |
| Toluene             | <0.00199      | U                | 0.101       | 0.1079     |               | mg/Kg |   | 107  | 70 - 130    | 4   | 35        |
| Ethylbenzene        | <0.00108      | U                | 0.101       | 0.1111     |               | mg/Kg |   | 110  | 70 - 130    | 3   | 35        |
| m-Xylene & p-Xylene | <0.00228      | U                | 0.202       | 0.2345     |               | mg/Kg |   | 116  | 70 - 130    | 3   | 35        |
| o-Xylene            | <0.00158      | U                | 0.101       | 0.1151     |               | mg/Kg |   | 114  | 70 - 130    | 3   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 107           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 100           |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-88142/1-A

Matrix: Solid

Analysis Batch: 88292

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88142

| Analyte                              | MB Result | MB Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U            | 50.0 | 14.5 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 09:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U            | 50.0 | 15.1 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 09:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U            | 50.0 | 15.1 | mg/Kg |   | 08/12/24 08:30 | 08/13/24 09:44 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 120          |              | 70 - 130 | 08/12/24 08:30 | 08/13/24 09:44 | 1       |
| o-Terphenyl    | 110          |              | 70 - 130 | 08/12/24 08:30 | 08/13/24 09:44 | 1       |

Lab Sample ID: LCS 880-88142/2-A

Matrix: Solid

Analysis Batch: 88292

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88142

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1088       |               | mg/Kg |   | 109  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1138       |               | mg/Kg |   | 114  | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-88142/2-A

Matrix: Solid

Analysis Batch: 88292

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88142

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 111       |           | 70 - 130 |
| o-Terphenyl    | 126       |           | 70 - 130 |

Lab Sample ID: LCSD 880-88142/3-A

Matrix: Solid

Analysis Batch: 88292

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 88142

| Analyte                                 |           |           | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-----------------------------------------|-----------|-----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 |           |           | 1000           | 1072           |                   | mg/Kg |   | 107  | 70 - 130       | 2   | 20           |
| Diesel Range Organics (Over<br>C10-C28) |           |           | 1000           | 1097           |                   | mg/Kg |   | 110  | 70 - 130       | 4   | 20           |
| Surrogate                               |           | LCSD      | LCSD           |                |                   |       |   |      |                |     |              |
|                                         | %Recovery | Qualifier | Limits         |                |                   |       |   |      |                |     |              |
| 1-Chlorooctane                          | 108       |           | 70 - 130       |                |                   |       |   |      |                |     |              |
| o-Terphenyl                             | 120       |           | 70 - 130       |                |                   |       |   |      |                |     |              |

Lab Sample ID: 880-47112-1 MS

Matrix: Solid

Analysis Batch: 88292

Client Sample ID: CSB-018-4.5-20240809

Prep Type: Total/NA

Prep Batch: 88142

| Analyte                                 | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |  |  |
|-----------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|--|--|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5            | U                   | 1000           | 1008         |                 | mg/Kg |   | 101  | 70 - 130       |  |  |
| Diesel Range Organics (Over<br>C10-C28) | 24.7             | J                   | 1000           | 1052         |                 | mg/Kg |   | 103  | 70 - 130       |  |  |
| Surrogate                               |                  | MS                  | MS             |              |                 |       |   |      |                |  |  |
|                                         | %Recovery        | Qualifier           | Limits         |              |                 |       |   |      |                |  |  |
| 1-Chlorooctane                          | 118              |                     | 70 - 130       |              |                 |       |   |      |                |  |  |
| o-Terphenyl                             | 132              | S1+                 | 70 - 130       |              |                 |       |   |      |                |  |  |

Lab Sample ID: 880-47112-1 MSD

Matrix: Solid

Analysis Batch: 88292

Client Sample ID: CSB-018-4.5-20240809

Prep Type: Total/NA

Prep Batch: 88142

| Analyte                                 | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-----------------------------------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5            | U                   | 1000           | 998.6         |                  | mg/Kg |   | 100  | 70 - 130       | 1   | 20           |
| Diesel Range Organics (Over<br>C10-C28) | 24.7             | J                   | 1000           | 1027          |                  | mg/Kg |   | 100  | 70 - 130       | 2   | 20           |
| Surrogate                               |                  | MSD                 | MSD            |               |                  |       |   |      |                |     |              |
|                                         | %Recovery        | Qualifier           | Limits         |               |                  |       |   |      |                |     |              |
| 1-Chlorooctane                          | 119              |                     | 70 - 130       |               |                  |       |   |      |                |     |              |
| o-Terphenyl                             | 133              | S1+                 | 70 - 130       |               |                  |       |   |      |                |     |              |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

## GC VOA

## Analysis Batch: 88137

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-47112-1        | CSB-018-4.5-20240809   | Total/NA  | Solid  | 8021B  | 88152      |
| 880-47112-2        | CSW-014-0-4-20240809   | Total/NA  | Solid  | 8021B  | 88152      |
| 880-47112-3        | CSB-030-4.75-20240809  | Total/NA  | Solid  | 8021B  | 88152      |
| 880-47112-4        | CSB-021-10.20-20240809 | Total/NA  | Solid  | 8021B  | 88152      |
| 880-47112-5        | CSW-015-0-2.0-20240809 | Total/NA  | Solid  | 8021B  | 88152      |
| 880-47112-6        | CSB-017-2.5-20240809   | Total/NA  | Solid  | 8021B  | 88152      |
| 880-47112-7        | CSB-020-10.3-20240809  | Total/NA  | Solid  | 8021B  | 88152      |
| 880-47112-8        | CSB-031-4.75-20240809  | Total/NA  | Solid  | 8021B  | 88152      |
| MB 880-88152/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 88152      |
| LCS 880-88152/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 88152      |
| LCSD 880-88152/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 88152      |
| 880-47112-1 MS     | CSB-018-4.5-20240809   | Total/NA  | Solid  | 8021B  | 88152      |
| 880-47112-1 MSD    | CSB-018-4.5-20240809   | Total/NA  | Solid  | 8021B  | 88152      |

## Prep Batch: 88152

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-47112-1        | CSB-018-4.5-20240809   | Total/NA  | Solid  | 5035   |            |
| 880-47112-2        | CSW-014-0-4-20240809   | Total/NA  | Solid  | 5035   |            |
| 880-47112-3        | CSB-030-4.75-20240809  | Total/NA  | Solid  | 5035   |            |
| 880-47112-4        | CSB-021-10.20-20240809 | Total/NA  | Solid  | 5035   |            |
| 880-47112-5        | CSW-015-0-2.0-20240809 | Total/NA  | Solid  | 5035   |            |
| 880-47112-6        | CSB-017-2.5-20240809   | Total/NA  | Solid  | 5035   |            |
| 880-47112-7        | CSB-020-10.3-20240809  | Total/NA  | Solid  | 5035   |            |
| 880-47112-8        | CSB-031-4.75-20240809  | Total/NA  | Solid  | 5035   |            |
| MB 880-88152/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-88152/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-88152/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-47112-1 MS     | CSB-018-4.5-20240809   | Total/NA  | Solid  | 5035   |            |
| 880-47112-1 MSD    | CSB-018-4.5-20240809   | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 88290

| Lab Sample ID | Client Sample ID       | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------------|-----------|--------|------------|------------|
| 880-47112-1   | CSB-018-4.5-20240809   | Total/NA  | Solid  | Total BTEX |            |
| 880-47112-2   | CSW-014-0-4-20240809   | Total/NA  | Solid  | Total BTEX |            |
| 880-47112-3   | CSB-030-4.75-20240809  | Total/NA  | Solid  | Total BTEX |            |
| 880-47112-4   | CSB-021-10.20-20240809 | Total/NA  | Solid  | Total BTEX |            |
| 880-47112-5   | CSW-015-0-2.0-20240809 | Total/NA  | Solid  | Total BTEX |            |
| 880-47112-6   | CSB-017-2.5-20240809   | Total/NA  | Solid  | Total BTEX |            |
| 880-47112-7   | CSB-020-10.3-20240809  | Total/NA  | Solid  | Total BTEX |            |
| 880-47112-8   | CSB-031-4.75-20240809  | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 88142

| Lab Sample ID | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------------|-----------|--------|-------------|------------|
| 880-47112-1   | CSB-018-4.5-20240809   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47112-2   | CSW-014-0-4-20240809   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47112-3   | CSB-030-4.75-20240809  | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47112-4   | CSB-021-10.20-20240809 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47112-5   | CSW-015-0-2.0-20240809 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47112-6   | CSB-017-2.5-20240809   | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

## GC Semi VOA (Continued)

## Prep Batch: 88142 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-47112-7        | CSB-020-10.3-20240809  | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47112-8        | CSB-031-4.75-20240809  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-88142/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-88142/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-88142/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47112-1 MS     | CSB-018-4.5-20240809   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47112-1 MSD    | CSB-018-4.5-20240809   | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 88292

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47112-1        | CSB-018-4.5-20240809   | Total/NA  | Solid  | 8015B NM | 88142      |
| 880-47112-2        | CSW-014-0.4-20240809   | Total/NA  | Solid  | 8015B NM | 88142      |
| 880-47112-3        | CSB-030-4.75-20240809  | Total/NA  | Solid  | 8015B NM | 88142      |
| 880-47112-4        | CSB-021-10.20-20240809 | Total/NA  | Solid  | 8015B NM | 88142      |
| 880-47112-5        | CSW-015-0.2.0-20240809 | Total/NA  | Solid  | 8015B NM | 88142      |
| 880-47112-6        | CSB-017-2.5-20240809   | Total/NA  | Solid  | 8015B NM | 88142      |
| 880-47112-7        | CSB-020-10.3-20240809  | Total/NA  | Solid  | 8015B NM | 88142      |
| 880-47112-8        | CSB-031-4.75-20240809  | Total/NA  | Solid  | 8015B NM | 88142      |
| MB 880-88142/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 88142      |
| LCS 880-88142/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 88142      |
| LCSD 880-88142/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 88142      |
| 880-47112-1 MS     | CSB-018-4.5-20240809   | Total/NA  | Solid  | 8015B NM | 88142      |
| 880-47112-1 MSD    | CSB-018-4.5-20240809   | Total/NA  | Solid  | 8015B NM | 88142      |

## Analysis Batch: 88404

| Lab Sample ID | Client Sample ID       | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------------|-----------|--------|---------|------------|
| 880-47112-1   | CSB-018-4.5-20240809   | Total/NA  | Solid  | 8015 NM |            |
| 880-47112-2   | CSW-014-0.4-20240809   | Total/NA  | Solid  | 8015 NM |            |
| 880-47112-3   | CSB-030-4.75-20240809  | Total/NA  | Solid  | 8015 NM |            |
| 880-47112-4   | CSB-021-10.20-20240809 | Total/NA  | Solid  | 8015 NM |            |
| 880-47112-5   | CSW-015-0.2.0-20240809 | Total/NA  | Solid  | 8015 NM |            |
| 880-47112-6   | CSB-017-2.5-20240809   | Total/NA  | Solid  | 8015 NM |            |
| 880-47112-7   | CSB-020-10.3-20240809  | Total/NA  | Solid  | 8015 NM |            |
| 880-47112-8   | CSB-031-4.75-20240809  | Total/NA  | Solid  | 8015 NM |            |

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

Client Sample ID: CSB-018-4.5-20240809  
Date Collected: 08/09/24 07:35  
Date Received: 08/10/24 08:00

Lab Sample ID: 880-47112-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 88152        | 08/12/24 10:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88137        | 08/12/24 12:17       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88290        | 08/12/24 12:17       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88404        | 08/13/24 17:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 88142        | 08/12/24 08:30       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88292        | 08/13/24 17:22       | TKC     | EET MID |

Client Sample ID: CSW-014-0-4-20240809  
Date Collected: 08/09/24 07:50  
Date Received: 08/10/24 08:00

Lab Sample ID: 880-47112-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5 mL         | 88152        | 08/12/24 10:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88137        | 08/12/24 12:38       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88290        | 08/12/24 12:38       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88404        | 08/13/24 18:14       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 88142        | 08/12/24 08:30       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88292        | 08/13/24 18:14       | TKC     | EET MID |

Client Sample ID: CSB-030-4.75-20240809  
Date Collected: 08/09/24 08:45  
Date Received: 08/10/24 08:00

Lab Sample ID: 880-47112-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 88152        | 08/12/24 10:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88137        | 08/12/24 12:58       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88290        | 08/12/24 12:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88404        | 08/13/24 18:31       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.09 g        | 10 mL        | 88142        | 08/12/24 08:30       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88292        | 08/13/24 18:31       | TKC     | EET MID |

Client Sample ID: CSB-021-10.20-20240809  
Date Collected: 08/09/24 09:10  
Date Received: 08/10/24 08:00

Lab Sample ID: 880-47112-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 88152        | 08/12/24 10:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88137        | 08/12/24 13:19       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88290        | 08/12/24 13:19       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88404        | 08/13/24 18:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 88142        | 08/12/24 08:30       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88292        | 08/13/24 18:48       | TKC     | EET MID |

Eurofins Midland



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

Client Sample ID: CSW-015-0-2.0-20240809

Lab Sample ID: 880-47112-5

Date Collected: 08/09/24 14:00

Matrix: Solid

Date Received: 08/10/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 88152        | 08/12/24 10:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88137        | 08/12/24 13:39       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88290        | 08/12/24 13:39       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88404        | 08/13/24 19:05       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.08 g        | 10 mL        | 88142        | 08/12/24 08:30       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88292        | 08/13/24 19:05       | TKC     | EET MID |

Client Sample ID: CSB-017-2.5-20240809

Lab Sample ID: 880-47112-6

Date Collected: 08/09/24 14:15

Matrix: Solid

Date Received: 08/10/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 88152        | 08/12/24 10:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88137        | 08/12/24 14:00       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88290        | 08/12/24 14:00       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88404        | 08/13/24 19:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 88142        | 08/12/24 08:30       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88292        | 08/13/24 19:22       | TKC     | EET MID |

Client Sample ID: CSB-020-10.3-20240809

Lab Sample ID: 880-47112-7

Date Collected: 08/09/24 14:30

Matrix: Solid

Date Received: 08/10/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 88152        | 08/12/24 10:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88137        | 08/12/24 14:20       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88290        | 08/12/24 14:20       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88404        | 08/13/24 19:39       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 88142        | 08/12/24 08:30       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88292        | 08/13/24 19:39       | TKC     | EET MID |

Client Sample ID: CSB-031-4.75-20240809

Lab Sample ID: 880-47112-8

Date Collected: 08/09/24 14:40

Matrix: Solid

Date Received: 08/10/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 88152        | 08/12/24 10:23       | EL      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88137        | 08/12/24 14:41       | SM      | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88290        | 08/12/24 14:41       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88404        | 08/13/24 19:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.07 g        | 10 mL        | 88142        | 08/12/24 08:30       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88292        | 08/13/24 19:56       | TKC     | EET MID |

## Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |



Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

| Method      | Method Description               | Protocol | Laboratory |
|-------------|----------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)  | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation           | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 5035        | Closed System Purge and Trap     | SW846    | EET MID    |
| 8015NM Prep | Microextraction                  | SW846    | EET MID    |

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-1  
SDG: Loving NM

| Lab Sample ID | Client Sample ID       | Matrix | Collected      | Received       | Depth |
|---------------|------------------------|--------|----------------|----------------|-------|
| 880-47112-1   | CSB-018-4.5-20240809   | Solid  | 08/09/24 07:35 | 08/10/24 08:00 | 4.5   |
| 880-47112-2   | CSW-014-0-4-20240809   | Solid  | 08/09/24 07:50 | 08/10/24 08:00 | 0-4   |
| 880-47112-3   | CSB-030-4.75-20240809  | Solid  | 08/09/24 08:45 | 08/10/24 08:00 | 4.75  |
| 880-47112-4   | CSB-021-10.20-20240809 | Solid  | 08/09/24 09:10 | 08/10/24 08:00 | 10.25 |
| 880-47112-5   | CSW-015-0-2.0-20240809 | Solid  | 08/09/24 14:00 | 08/10/24 08:00 | 0-2   |
| 880-47112-6   | CSB-017-2.5-20240809   | Solid  | 08/09/24 14:15 | 08/10/24 08:00 | 2.5   |
| 880-47112-7   | CSB-020-10.3-20240809  | Solid  | 08/09/24 14:30 | 08/10/24 08:00 | 10.3  |
| 880-47112-8   | CSB-031-4.75-20240809  | Solid  | 08/09/24 14:40 | 08/10/24 08:00 | 4.75  |





## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5080

## Environment Testing

Work Order

880-47112 Chain of Custody

Page 1 of 1

|                  |                         |                         |                        |
|------------------|-------------------------|-------------------------|------------------------|
| Project Manager: | Brad Wynn               | Bill to: (if different) |                        |
| Company Name:    | AECOM                   | Company Name:           |                        |
| Address:         | 13355 Noel Rd Suite 400 | Address:                |                        |
| City, State ZIP: | Dallas, TX 75240        | City, State ZIP:        |                        |
| Phone:           | 214-971-1829            | Email:                  | Bradley.wynn@aecom.com |

|                   |             |                                                                           |       |           |  |
|-------------------|-------------|---------------------------------------------------------------------------|-------|-----------|--|
| Project Name:     | Amoco CTB   | Turn Around                                                               |       | Free Code |  |
| Project Number:   | 60734207    | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |       |           |  |
| Project Location: | Living NM   | Due Date:                                                                 | 24 hr |           |  |
| Sampler's Name:   | J. Passmore | TAT starts the day received by the lab, if received by 4:30pm             |       |           |  |
| PO #:             |             |                                                                           |       |           |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | Ch | W | P |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | </ |
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|                                              |                                                                                                       |               |                                                                                                                    |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------|
| Total                                        | 200.7 / 6010                                                                                          | 200.8 / 6020: | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SIO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |               |                                                                                                                    |

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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| 1 <i>[Signature]</i>         | <i>[Signature]</i>       | 5/10/24 5:05 |                              |                          |           |
| 3 <i>[Signature]</i>         |                          |              |                              |                          |           |
| 5 <i>[Signature]</i>         |                          |              |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2

## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47112-1

SDG Number: Loving NM

Login Number: 47112

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/12/2024 3:10:55 PM

## JOB DESCRIPTION

Amoco CTB  
Loving NM

## JOB NUMBER

880-47112-2

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/12/2024 3:10:55 PM

Authorized for release by  
Jessica Kramer, Project Manager  
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(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47112-2  
SDG: Loving NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-2  
SDG: Loving NM

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47112-2

**Job ID: 880-47112-2**

**Eurofins Midland**

### Job Narrative 880-47112-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/10/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-018-4.5-20240809 (880-47112-1), CSW-014-0-4-20240809 (880-47112-2), CSB-030-4.75-20240809 (880-47112-3), CSB-021-10.20-20240809 (880-47112-4), CSW-015-0-2.0-20240809 (880-47112-5), CSB-017-2.5-20240809 (880-47112-6), CSB-020-10.3-20240809 (880-47112-7) and CSB-031-4.75-20240809 (880-47112-8).

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-2  
SDG: Loving NM

**Client Sample ID: CSB-018-4.5-20240809****Lab Sample ID: 880-47112-1**

Date Collected: 08/09/24 07:35

Matrix: Solid

Date Received: 08/10/24 08:00

Sample Depth: 4.5

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 78.2   | F1        | 5.03 | 0.397 | mg/Kg |   |          | 08/12/24 09:23 | 1       |

**Client Sample ID: CSW-014-0-4-20240809****Lab Sample ID: 880-47112-2**

Date Collected: 08/09/24 07:50

Matrix: Solid

Date Received: 08/10/24 08:00

Sample Depth: 0-4

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 403    |           | 4.99 | 0.394 | mg/Kg |   |          | 08/12/24 09:41 | 1       |

**Client Sample ID: CSB-030-4.75-20240809****Lab Sample ID: 880-47112-3**

Date Collected: 08/09/24 08:45

Matrix: Solid

Date Received: 08/10/24 08:00

Sample Depth: 4.75

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 631    |           | 5.02 | 0.397 | mg/Kg |   |          | 08/12/24 09:47 | 1       |

**Client Sample ID: CSB-021-10.20-20240809****Lab Sample ID: 880-47112-4**

Date Collected: 08/09/24 09:10

Matrix: Solid

Date Received: 08/10/24 08:00

Sample Depth: 10.25

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1060   |           | 5.05 | 0.399 | mg/Kg |   |          | 08/12/24 09:53 | 1       |

**Client Sample ID: CSW-015-0-2.0-20240809****Lab Sample ID: 880-47112-5**

Date Collected: 08/09/24 14:00

Matrix: Solid

Date Received: 08/10/24 08:00

Sample Depth: 0-2

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1020   |           | 25.2 | 1.99 | mg/Kg |   |          | 08/12/24 09:59 | 5       |

**Client Sample ID: CSB-017-2.5-20240809****Lab Sample ID: 880-47112-6**

Date Collected: 08/09/24 14:15

Matrix: Solid

Date Received: 08/10/24 08:00

Sample Depth: 2.5

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 922    |           | 4.97 | 0.393 | mg/Kg |   |          | 08/12/24 10:18 | 1       |

Eurofins Midland



Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-2  
SDG: Loving NM

Client Sample ID: CSB-020-10.3-20240809  
Date Collected: 08/09/24 14:30  
Date Received: 08/10/24 08:00  
Sample Depth: 10.3

Lab Sample ID: 880-47112-7  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                 | 893    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/12/24 10:24 | 1       |

Client Sample ID: CSB-031-4.75-20240809  
Date Collected: 08/09/24 14:40  
Date Received: 08/10/24 08:00  
Sample Depth: 4.75

Lab Sample ID: 880-47112-8  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                 | 441    |           | 5.00 | 0.395 | mg/Kg |   |          | 08/12/24 10:30 | 1       |

## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-2  
SDG: Loving NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-88092/1-A

Matrix: Solid

Analysis Batch: 88144

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/12/24 08:49 | 1       |

Lab Sample ID: LCS 880-88092/2-A

Matrix: Solid

Analysis Batch: 88144

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 248.7         |                  | mg/Kg |   | 99   | 90 - 110       |

Lab Sample ID: LCSD 880-88092/3-A

Matrix: Solid

Analysis Batch: 88144

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 248.7          |                   | mg/Kg |   | 99   | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-47112-1 MS

Matrix: Solid

Analysis Batch: 88144

Client Sample ID: CSB-018-4.5-20240809

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 78.2             | F1                  | 252            | 260.3        | F1              | mg/Kg |   | 72   | 90 - 110       |

Lab Sample ID: 880-47112-1 MSD

Matrix: Solid

Analysis Batch: 88144

Client Sample ID: CSB-018-4.5-20240809

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 78.2             | F1                  | 252            | 260.4         | F1               | mg/Kg |   | 72   | 90 - 110       | 0   | 20           |

Eurofins Midland



## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-2  
SDG: Loving NM

## HPLC/IC

## Leach Batch: 88092

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47112-1        | CSB-018-4.5-20240809   | Soluble   | Solid  | DI Leach |            |
| 880-47112-2        | CSW-014-0-4-20240809   | Soluble   | Solid  | DI Leach |            |
| 880-47112-3        | CSB-030-4.75-20240809  | Soluble   | Solid  | DI Leach |            |
| 880-47112-4        | CSB-021-10.20-20240809 | Soluble   | Solid  | DI Leach |            |
| 880-47112-5        | CSW-015-0-2.0-20240809 | Soluble   | Solid  | DI Leach |            |
| 880-47112-6        | CSB-017-2.5-20240809   | Soluble   | Solid  | DI Leach |            |
| 880-47112-7        | CSB-020-10.3-20240809  | Soluble   | Solid  | DI Leach |            |
| 880-47112-8        | CSB-031-4.75-20240809  | Soluble   | Solid  | DI Leach |            |
| MB 880-88092/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-88092/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-88092/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-47112-1 MS     | CSB-018-4.5-20240809   | Soluble   | Solid  | DI Leach |            |
| 880-47112-1 MSD    | CSB-018-4.5-20240809   | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 88144

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-47112-1        | CSB-018-4.5-20240809   | Soluble   | Solid  | 300.0  | 88092      |
| 880-47112-2        | CSW-014-0-4-20240809   | Soluble   | Solid  | 300.0  | 88092      |
| 880-47112-3        | CSB-030-4.75-20240809  | Soluble   | Solid  | 300.0  | 88092      |
| 880-47112-4        | CSB-021-10.20-20240809 | Soluble   | Solid  | 300.0  | 88092      |
| 880-47112-5        | CSW-015-0-2.0-20240809 | Soluble   | Solid  | 300.0  | 88092      |
| 880-47112-6        | CSB-017-2.5-20240809   | Soluble   | Solid  | 300.0  | 88092      |
| 880-47112-7        | CSB-020-10.3-20240809  | Soluble   | Solid  | 300.0  | 88092      |
| 880-47112-8        | CSB-031-4.75-20240809  | Soluble   | Solid  | 300.0  | 88092      |
| MB 880-88092/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 88092      |
| LCS 880-88092/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 88092      |
| LCSD 880-88092/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 88092      |
| 880-47112-1 MS     | CSB-018-4.5-20240809   | Soluble   | Solid  | 300.0  | 88092      |
| 880-47112-1 MSD    | CSB-018-4.5-20240809   | Soluble   | Solid  | 300.0  | 88092      |

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-2  
SDG: Loving NM

Client Sample ID: CSB-018-4.5-20240809  
Date Collected: 08/09/24 07:35  
Date Received: 08/10/24 08:00

Lab Sample ID: 880-47112-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 88092        | 08/11/24 10:02       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88144        | 08/12/24 09:23       | CH      | EET MID |

Client Sample ID: CSW-014-0-4-20240809  
Date Collected: 08/09/24 07:50  
Date Received: 08/10/24 08:00

Lab Sample ID: 880-47112-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 88092        | 08/11/24 10:02       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88144        | 08/12/24 09:41       | CH      | EET MID |

Client Sample ID: CSB-030-4.75-20240809  
Date Collected: 08/09/24 08:45  
Date Received: 08/10/24 08:00

Lab Sample ID: 880-47112-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 88092        | 08/11/24 10:02       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88144        | 08/12/24 09:47       | CH      | EET MID |

Client Sample ID: CSB-021-10.20-20240809  
Date Collected: 08/09/24 09:10  
Date Received: 08/10/24 08:00

Lab Sample ID: 880-47112-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 88092        | 08/11/24 10:02       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88144        | 08/12/24 09:53       | CH      | EET MID |

Client Sample ID: CSW-015-0-2.0-20240809  
Date Collected: 08/09/24 14:00  
Date Received: 08/10/24 08:00

Lab Sample ID: 880-47112-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 88092        | 08/11/24 10:02       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88144        | 08/12/24 09:59       | CH      | EET MID |

Client Sample ID: CSB-017-2.5-20240809  
Date Collected: 08/09/24 14:15  
Date Received: 08/10/24 08:00

Lab Sample ID: 880-47112-6  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 88092        | 08/11/24 10:02       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88144        | 08/12/24 10:18       | CH      | EET MID |



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-2  
SDG: Loving NM

Client Sample ID: CSB-020-10.3-20240809  
Date Collected: 08/09/24 14:30  
Date Received: 08/10/24 08:00

Lab Sample ID: 880-47112-7  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 88092        | 08/11/24 10:02       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88144        | 08/12/24 10:24       | CH      | EET MID |

Client Sample ID: CSB-031-4.75-20240809  
Date Collected: 08/09/24 14:40  
Date Received: 08/10/24 08:00

Lab Sample ID: 880-47112-8  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 88092        | 08/11/24 10:02       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88144        | 08/12/24 10:30       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-2  
SDG: Loving NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

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Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-2  
SDG: Loving NM

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

ASTM = ASTM International  
EPA = US Environmental Protection Agency

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47112-2  
SDG: Loving NM

| Lab Sample ID | Client Sample ID       | Matrix | Collected      | Received       | Depth |
|---------------|------------------------|--------|----------------|----------------|-------|
| 880-47112-1   | CSB-018-4.5-20240809   | Solid  | 08/09/24 07:35 | 08/10/24 08:00 | 4.5   |
| 880-47112-2   | CSW-014-0-4-20240809   | Solid  | 08/09/24 07:50 | 08/10/24 08:00 | 0-4   |
| 880-47112-3   | CSB-030-4.75-20240809  | Solid  | 08/09/24 08:45 | 08/10/24 08:00 | 4.75  |
| 880-47112-4   | CSB-021-10.20-20240809 | Solid  | 08/09/24 09:10 | 08/10/24 08:00 | 10.25 |
| 880-47112-5   | CSW-015-0-2.0-20240809 | Solid  | 08/09/24 14:00 | 08/10/24 08:00 | 0-2   |
| 880-47112-6   | CSB-017-2.5-20240809   | Solid  | 08/09/24 14:15 | 08/10/24 08:00 | 2.5   |
| 880-47112-7   | CSB-020-10.3-20240809  | Solid  | 08/09/24 14:30 | 08/10/24 08:00 | 10.3  |
| 880-47112-8   | CSB-031-4.75-20240809  | Solid  | 08/09/24 14:40 | 08/10/24 08:00 | 4.75  |

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## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5080

## Environment Testing

Work Order

880-47112 Chain of Custody

Page 1 of 4

|                  |                         |                         |                        |
|------------------|-------------------------|-------------------------|------------------------|
| Project Manager: | Brad Wynn               | Bill to: (if different) |                        |
| Company Name:    | AECOM                   | Company Name:           |                        |
| Address:         | 13355 Noel Rd Suite 400 | Address:                |                        |
| City, State ZIP: | Dallas, TX 75240        | City, State ZIP:        |                        |
| Phone:           | 214-971-1829            | Email:                  | Bradley.wynn@aecom.com |

|                   |             |                                                                           |       |           |  |
|-------------------|-------------|---------------------------------------------------------------------------|-------|-----------|--|
| Project Name:     | Amoco CTB   | Turn Around                                                               |       | Free Code |  |
| Project Number:   | 60734207    | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |       |           |  |
| Project Location: | Living NM   | Due Date:                                                                 | 24 hr |           |  |
| Sampler's Name:   | J. Passmore | TAT starts the day received by the lab, if received by 4:30pm             |       |           |  |
| PO #:             |             |                                                                           |       |           |  |

| Sample Identification      | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | Parameters |    | # of Cont | ANALYSIS REQUEST | Preservative Codes                                                | Sample Comments            |
|----------------------------|--------|--------------|--------------|-------|-----------|------------|----|-----------|------------------|-------------------------------------------------------------------|----------------------------|
|                            |        |              |              |       |           | Yes        | No |           |                  |                                                                   |                            |
| CSB-014-4.5-20240809 SOI   |        | 8/9/24       | 0735         | 4.5   | C         |            |    | 1         |                  | None: NO                                                          | DI Water: H <sub>2</sub> O |
| CSB-014-0.4-20240809 SOI   |        | 8/9/24       | 0750         | 0.4   | C         |            |    | 1         |                  | Cool: Cool                                                        | MeOH: Me                   |
| CSB-030-4.35-20240809 SOI  |        | 8/9/24       | 0845         | 4.35  | C         |            |    | 1         |                  | HCL: HC                                                           | HNO <sub>3</sub>           |
| CSB-01-10.15-20240809 SOI  |        | 8/9/24       | 0910         | 10.15 | C         |            |    | 1         |                  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| CSW-015-0-2.0-20240809 SOI |        | 8/9/24       | 1400         | 2.2   | C         |            |    | 1         |                  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
| CSB-017-2.5-20240809 SOI   |        | 8/9/24       | 1415         | 2.5   | C         |            |    | 1         |                  | NaHSO <sub>4</sub> : NABIS                                        |                            |
| CSB-020-10.3-20240809 SOI  |        | 8/9/24       | 1430         | 10.3  | C         |            |    | 1         |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
| CSB-031-4.35-20240809 SOI  |        | 8/9/24       | 1440         | 4.35  | C         |            |    | 1         |                  | Zn Acetate+NaOH: Zn                                               |                            |
|                            |        |              |              |       |           |            |    |           |                  | NaOH+Ascorbic Acid: SAPC                                          |                            |

|                                              |                                                                                                       |               |                                                                                                                    |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------|
| Total                                        | 200.7 / 6010                                                                                          | 200.8 / 6020: | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SIO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |               |                                                                                                                    |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| 1 <i>[Signature]</i>         | <i>[Signature]</i>       | 8/9/24 1630 |                              |                          |           |
| 3 <i>[Signature]</i>         |                          |             |                              |                          |           |
| 5 <i>[Signature]</i>         |                          |             |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2

## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47112-2

SDG Number: Loving NM

Login Number: 47112

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/14/2024 2:06:36 PM Revision 1

## JOB DESCRIPTION

Amoco CTB  
Loving, New Mexico

## JOB NUMBER

880-47184-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

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Revision 1



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47184-1  
SDG: Loving, New Mexico

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47184-1  
SDG: Loving, New Mexico

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47184-1

**Job ID: 880-47184-1**

**Eurofins Midland**

### Job Narrative 880-47184-1

#### REVISION

The report being provided is a revision of the original report sent on 8/13/2024. The report (revision 1) is being revised due to Per client email, requesting sample ID correction.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### **Receipt**

The samples were received on 8/13/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C.

#### **HPLC/IC**

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-88260 and analytical batch 880-88264 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-88263 and analytical batch 880-88265 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47184-1  
SDG: Loving, New Mexico

Client Sample ID: CSB-048-3.5-20240812

Lab Sample ID: 880-47184-1

Date Collected: 08/12/24 10:24

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 952    | F1        | 24.8 | 1.96 | mg/Kg |   |          | 08/13/24 11:04 | 5       |

Client Sample ID: CSB-049-3.5-20240812

Lab Sample ID: 880-47184-2

Date Collected: 08/12/24 10:26

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 886    |           | 4.96 | 0.392 | mg/Kg |   |          | 08/13/24 11:50 | 1       |

Client Sample ID: CSB-058-3.5-20240812

Lab Sample ID: 880-47184-3

Date Collected: 08/12/24 10:28

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 951    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/13/24 11:56 | 1       |

Client Sample ID: CSB-059-5.5-20240812

Lab Sample ID: 880-47184-4

Date Collected: 08/12/24 10:30

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1440   |           | 25.1 | 1.98 | mg/Kg |   |          | 08/13/24 12:02 | 5       |

Client Sample ID: CSB-060-5.5-20240812

Lab Sample ID: 880-47184-5

Date Collected: 08/12/24 11:48

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 762    |           | 4.97 | 0.393 | mg/Kg |   |          | 08/13/24 12:08 | 1       |

Client Sample ID: CSW-05-0-3-20240812

Lab Sample ID: 880-47184-6

Date Collected: 08/12/24 11:50

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1460   |           | 25.1 | 1.98 | mg/Kg |   |          | 08/13/24 12:26 | 5       |

Client Sample ID: CSW-08-0-3-20240812

Lab Sample ID: 880-47184-7

Date Collected: 08/12/24 11:52

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1400   |           | 25.0 | 1.97 | mg/Kg |   |          | 08/13/24 12:32 | 5       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47184-1  
SDG: Loving, New Mexico

Client Sample ID: CSB-103-4.5-20240812

Lab Sample ID: 880-47184-8

Date Collected: 08/12/24 12:00

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 799    |           | 5.02 | 0.397 | mg/Kg |   |          | 08/13/24 12:38 | 1       |

Client Sample ID: CSB-104-5.0-20240812

Lab Sample ID: 880-47184-9

Date Collected: 08/12/24 12:02

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 727    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/13/24 12:44 | 1       |

Client Sample ID: CSB-105-4.5-20240812

Lab Sample ID: 880-47184-10

Date Collected: 08/12/24 12:04

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1330   |           | 25.2 | 1.99 | mg/Kg |   |          | 08/13/24 12:50 | 5       |

Client Sample ID: CSB-108-5.25-20240812

Lab Sample ID: 880-47184-11

Date Collected: 08/12/24 12:20

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 633    |           | 5.05 | 0.399 | mg/Kg |   |          | 08/13/24 12:56 | 1       |

Client Sample ID: CSB-109-5.25-20240812

Lab Sample ID: 880-47184-12

Date Collected: 08/12/24 12:22

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 822    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/13/24 13:15 | 1       |

Client Sample ID: CSW-02-0-3-20240812

Lab Sample ID: 880-47184-13

Date Collected: 08/12/24 12:24

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1060   |           | 24.9 | 1.97 | mg/Kg |   |          | 08/13/24 13:21 | 5       |

Client Sample ID: CSB-068-5.25-20240812

Lab Sample ID: 880-47184-14

Date Collected: 08/12/24 14:06

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 988    |           | 25.2 | 1.99 | mg/Kg |   |          | 08/13/24 13:39 | 5       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47184-1  
SDG: Loving, New Mexico

Client Sample ID: CSB-069-4.5-20240812

Lab Sample ID: 880-47184-15

Date Collected: 08/12/24 14:08

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1250   |           | 24.9 | 1.96 | mg/Kg |   |          | 08/13/24 13:45 | 5       |

Client Sample ID: CSB-077-5.25-20240812

Lab Sample ID: 880-47184-16

Date Collected: 08/12/24 14:10

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 819    |           | 25.1 | 1.98 | mg/Kg |   |          | 08/13/24 13:51 | 5       |

Client Sample ID: CSB-086-5.25-20240812

Lab Sample ID: 880-47184-17

Date Collected: 08/12/24 14:20

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1200   |           | 24.8 | 1.96 | mg/Kg |   |          | 08/13/24 13:57 | 5       |

Client Sample ID: CSB-095-5.25-20240812

Lab Sample ID: 880-47184-18

Date Collected: 08/12/24 14:22

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1320   |           | 24.9 | 1.96 | mg/Kg |   |          | 08/13/24 14:03 | 5       |

Client Sample ID: CSB-017-4.0-20240812

Lab Sample ID: 880-47184-19

Date Collected: 08/12/24 15:48

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 795    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/13/24 14:09 | 1       |

Client Sample ID: CSW-15-0-3-20240812

Lab Sample ID: 880-47184-20

Date Collected: 08/12/24 16:04

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 498    |           | 4.97 | 0.393 | mg/Kg |   |          | 08/13/24 14:15 | 1       |

Client Sample ID: CSB-030-5.5-20240812

Lab Sample ID: 880-47184-21

Date Collected: 08/12/24 16:08

Matrix: Solid

Date Received: 08/13/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1610   | F1        | 25.1 | 1.98 | mg/Kg |   |          | 08/13/24 15:03 | 5       |

Eurofins Midland



Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47184-1  
SDG: Loving, New Mexico

Client Sample ID: CSB-021-11.5-20240812  
Date Collected: 08/12/24 16:10  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-22  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                 | 402    |           | 5.05 | 0.399 | mg/Kg |   |          | 08/13/24 15:21 | 1       |

Client Sample ID: CSB-020-12.0-20240812  
Date Collected: 08/12/24 16:12  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-23  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |      |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                 | 3140   |           | 24.9 | 1.96 | mg/Kg |   |          | 08/13/24 15:27 | 5       |

## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47184-1  
SDG: Loving, New Mexico

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-88260/1-A

Matrix: Solid

Analysis Batch: 88264

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/13/24 10:45 | 1       |

Lab Sample ID: LCS 880-88260/2-A

Matrix: Solid

Analysis Batch: 88264

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 251.9         |                  | mg/Kg |   | 101  | 90 - 110       |

Lab Sample ID: LCSD 880-88260/3-A

Matrix: Solid

Analysis Batch: 88264

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 251.8          |                   | mg/Kg |   | 101  | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-47184-1 MS

Matrix: Solid

Analysis Batch: 88264

Client Sample ID: CSB-048-3.5-20240812

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 952              | F1                  | 1240           | 2433         | F1              | mg/Kg |   | 119  | 90 - 110       |

Lab Sample ID: 880-47184-1 MSD

Matrix: Solid

Analysis Batch: 88264

Client Sample ID: CSB-048-3.5-20240812

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 952              | F1                  | 1240           | 2439          | F1               | mg/Kg |   | 120  | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-47184-11 MS

Matrix: Solid

Analysis Batch: 88264

Client Sample ID: CSB-108-5.25-20240812

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 633              |                     | 253            | 859.2        |                 | mg/Kg |   | 90   | 90 - 110       |

Lab Sample ID: 880-47184-11 MSD

Matrix: Solid

Analysis Batch: 88264

Client Sample ID: CSB-108-5.25-20240812

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 633              |                     | 253            | 859.5         |                  | mg/Kg |   | 90   | 90 - 110       | 0   | 20           |

Lab Sample ID: MB 880-88263/1-A

Matrix: Solid

Analysis Batch: 88265

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/13/24 14:45 | 1       |

Eurofins Midland



QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47184-1  
SDG: Loving, New Mexico

Method: 300.0 - Anions, Ion Chromatography

|                                  |  |  |             |                                      |               |       |   |      |             |  |  |
|----------------------------------|--|--|-------------|--------------------------------------|---------------|-------|---|------|-------------|--|--|
| Lab Sample ID: LCS 880-88263/2-A |  |  |             | Client Sample ID: Lab Control Sample |               |       |   |      |             |  |  |
| Matrix: Solid                    |  |  |             | Prep Type: Soluble                   |               |       |   |      |             |  |  |
| Analysis Batch: 88265            |  |  |             |                                      |               |       |   |      |             |  |  |
| Analyte                          |  |  | Spike Added | LCS Result                           | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
| Chloride                         |  |  | 250         | 252.9                                |               | mg/Kg |   | 101  | 90 - 110    |  |  |

|                                   |  |  |             |                                          |                |       |   |      |             |     |           |
|-----------------------------------|--|--|-------------|------------------------------------------|----------------|-------|---|------|-------------|-----|-----------|
| Lab Sample ID: LCSD 880-88263/3-A |  |  |             | Client Sample ID: Lab Control Sample Dup |                |       |   |      |             |     |           |
| Matrix: Solid                     |  |  |             | Prep Type: Soluble                       |                |       |   |      |             |     |           |
| Analysis Batch: 88265             |  |  |             |                                          |                |       |   |      |             |     |           |
| Analyte                           |  |  | Spike Added | LCSD Result                              | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Chloride                          |  |  | 250         | 252.9                                    |                | mg/Kg |   | 101  | 90 - 110    | 0   | 20        |

|                                |               |                  |             |                                        |              |       |   |      |             |  |  |
|--------------------------------|---------------|------------------|-------------|----------------------------------------|--------------|-------|---|------|-------------|--|--|
| Lab Sample ID: 880-47184-21 MS |               |                  |             | Client Sample ID: CSB-030-5.5-20240812 |              |       |   |      |             |  |  |
| Matrix: Solid                  |               |                  |             | Prep Type: Soluble                     |              |       |   |      |             |  |  |
| Analysis Batch: 88265          |               |                  |             |                                        |              |       |   |      |             |  |  |
| Analyte                        | Sample Result | Sample Qualifier | Spike Added | MS Result                              | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
| Chloride                       | 1610          | F1               | 1250        | 3051                                   | F1           | mg/Kg |   | 115  | 90 - 110    |  |  |

|                                 |               |                  |             |                                        |               |       |   |      |             |     |           |
|---------------------------------|---------------|------------------|-------------|----------------------------------------|---------------|-------|---|------|-------------|-----|-----------|
| Lab Sample ID: 880-47184-21 MSD |               |                  |             | Client Sample ID: CSB-030-5.5-20240812 |               |       |   |      |             |     |           |
| Matrix: Solid                   |               |                  |             | Prep Type: Soluble                     |               |       |   |      |             |     |           |
| Analysis Batch: 88265           |               |                  |             |                                        |               |       |   |      |             |     |           |
| Analyte                         | Sample Result | Sample Qualifier | Spike Added | MSD Result                             | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Chloride                        | 1610          | F1               | 1250        | 3049                                   | F1            | mg/Kg |   | 115  | 90 - 110    | 0   | 20        |

## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47184-1  
SDG: Loving, New Mexico

## HPLC/IC

## Leach Batch: 88260

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47184-1        | CSB-048-3.5-20240812   | Soluble   | Solid  | DI Leach |            |
| 880-47184-2        | CSB-049-3.5-20240812   | Soluble   | Solid  | DI Leach |            |
| 880-47184-3        | CSB-058-3.5-20240812   | Soluble   | Solid  | DI Leach |            |
| 880-47184-4        | CSB-059-5.5-20240812   | Soluble   | Solid  | DI Leach |            |
| 880-47184-5        | CSB-060-5.5-20240812   | Soluble   | Solid  | DI Leach |            |
| 880-47184-6        | CSW-05-0-3-20240812    | Soluble   | Solid  | DI Leach |            |
| 880-47184-7        | CSW-08-0-3-20240812    | Soluble   | Solid  | DI Leach |            |
| 880-47184-8        | CSB-103-4.5-20240812   | Soluble   | Solid  | DI Leach |            |
| 880-47184-9        | CSB-104-5.0-20240812   | Soluble   | Solid  | DI Leach |            |
| 880-47184-10       | CSB-105-4.5-20240812   | Soluble   | Solid  | DI Leach |            |
| 880-47184-11       | CSB-108-5.25-20240812  | Soluble   | Solid  | DI Leach |            |
| 880-47184-12       | CSB-109-5.25-20240812  | Soluble   | Solid  | DI Leach |            |
| 880-47184-13       | CSW-02-0-3-20240812    | Soluble   | Solid  | DI Leach |            |
| 880-47184-14       | CSB-068-5.25-20240812  | Soluble   | Solid  | DI Leach |            |
| 880-47184-15       | CSB-069-4.5-20240812   | Soluble   | Solid  | DI Leach |            |
| 880-47184-16       | CSB-077-5.25-20240812  | Soluble   | Solid  | DI Leach |            |
| 880-47184-17       | CSB-086-5.25-20240812  | Soluble   | Solid  | DI Leach |            |
| 880-47184-18       | CSB-095-5.25-20240812  | Soluble   | Solid  | DI Leach |            |
| 880-47184-19       | CSB-017-4.0-20240812   | Soluble   | Solid  | DI Leach |            |
| 880-47184-20       | CSW-15-0-3-20240812    | Soluble   | Solid  | DI Leach |            |
| MB 880-88260/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-88260/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-88260/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-47184-1 MS     | CSB-048-3.5-20240812   | Soluble   | Solid  | DI Leach |            |
| 880-47184-1 MSD    | CSB-048-3.5-20240812   | Soluble   | Solid  | DI Leach |            |
| 880-47184-11 MS    | CSB-108-5.25-20240812  | Soluble   | Solid  | DI Leach |            |
| 880-47184-11 MSD   | CSB-108-5.25-20240812  | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 88263

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47184-21       | CSB-030-5.5-20240812   | Soluble   | Solid  | DI Leach |            |
| 880-47184-22       | CSB-021-11.5-20240812  | Soluble   | Solid  | DI Leach |            |
| 880-47184-23       | CSB-020-12.0-20240812  | Soluble   | Solid  | DI Leach |            |
| MB 880-88263/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-88263/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-88263/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-47184-21 MS    | CSB-030-5.5-20240812   | Soluble   | Solid  | DI Leach |            |
| 880-47184-21 MSD   | CSB-030-5.5-20240812   | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 88264

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method | Prep Batch |
|---------------|----------------------|-----------|--------|--------|------------|
| 880-47184-1   | CSB-048-3.5-20240812 | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-2   | CSB-049-3.5-20240812 | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-3   | CSB-058-3.5-20240812 | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-4   | CSB-059-5.5-20240812 | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-5   | CSB-060-5.5-20240812 | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-6   | CSW-05-0-3-20240812  | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-7   | CSW-08-0-3-20240812  | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-8   | CSB-103-4.5-20240812 | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-9   | CSB-104-5.0-20240812 | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-10  | CSB-105-4.5-20240812 | Soluble   | Solid  | 300.0  | 88260      |

Eurofins Midland



QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47184-1  
SDG: Loving, New Mexico

HPLC/IC (Continued)

Analysis Batch: 88264 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-47184-11       | CSB-108-5.25-20240812  | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-12       | CSB-109-5.25-20240812  | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-13       | CSW-02-0-3-20240812    | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-14       | CSB-068-5.25-20240812  | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-15       | CSB-069-4.5-20240812   | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-16       | CSB-077-5.25-20240812  | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-17       | CSB-086-5.25-20240812  | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-18       | CSB-095-5.25-20240812  | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-19       | CSB-017-4.0-20240812   | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-20       | CSW-15-0-3-20240812    | Soluble   | Solid  | 300.0  | 88260      |
| MB 880-88260/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 88260      |
| LCS 880-88260/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 88260      |
| LCSD 880-88260/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-1 MS     | CSB-048-3.5-20240812   | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-1 MSD    | CSB-048-3.5-20240812   | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-11 MS    | CSB-108-5.25-20240812  | Soluble   | Solid  | 300.0  | 88260      |
| 880-47184-11 MSD   | CSB-108-5.25-20240812  | Soluble   | Solid  | 300.0  | 88260      |

Analysis Batch: 88265

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-47184-21       | CSB-030-5.5-20240812   | Soluble   | Solid  | 300.0  | 88263      |
| 880-47184-22       | CSB-021-11.5-20240812  | Soluble   | Solid  | 300.0  | 88263      |
| 880-47184-23       | CSB-020-12.0-20240812  | Soluble   | Solid  | 300.0  | 88263      |
| MB 880-88263/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 88263      |
| LCS 880-88263/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 88263      |
| LCSD 880-88263/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 88263      |
| 880-47184-21 MS    | CSB-030-5.5-20240812   | Soluble   | Solid  | 300.0  | 88263      |
| 880-47184-21 MSD   | CSB-030-5.5-20240812   | Soluble   | Solid  | 300.0  | 88263      |

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47184-1  
SDG: Loving, New Mexico

Client Sample ID: CSB-048-3.5-20240812  
Date Collected: 08/12/24 10:24  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88264        | 08/13/24 11:04       | CH      | EET MID |

Client Sample ID: CSB-049-3.5-20240812  
Date Collected: 08/12/24 10:26  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88264        | 08/13/24 11:50       | CH      | EET MID |

Client Sample ID: CSB-058-3.5-20240812  
Date Collected: 08/12/24 10:28  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88264        | 08/13/24 11:56       | CH      | EET MID |

Client Sample ID: CSB-059-5.5-20240812  
Date Collected: 08/12/24 10:30  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88264        | 08/13/24 12:02       | CH      | EET MID |

Client Sample ID: CSB-060-5.5-20240812  
Date Collected: 08/12/24 11:48  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88264        | 08/13/24 12:08       | CH      | EET MID |

Client Sample ID: CSW-05-0-3-20240812  
Date Collected: 08/12/24 11:50  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-6  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88264        | 08/13/24 12:26       | CH      | EET MID |



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47184-1  
SDG: Loving, New Mexico

Client Sample ID: CSW-08-0-3-20240812  
Date Collected: 08/12/24 11:52  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-7  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88264        | 08/13/24 12:32       | CH      | EET MID |

Client Sample ID: CSB-103-4.5-20240812  
Date Collected: 08/12/24 12:00  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-8  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88264        | 08/13/24 12:38       | CH      | EET MID |

Client Sample ID: CSB-104-5.0-20240812  
Date Collected: 08/12/24 12:02  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-9  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88264        | 08/13/24 12:44       | CH      | EET MID |

Client Sample ID: CSB-105-4.5-20240812  
Date Collected: 08/12/24 12:04  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-10  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88264        | 08/13/24 12:50       | CH      | EET MID |

Client Sample ID: CSB-108-5.25-20240812  
Date Collected: 08/12/24 12:20  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-11  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88264        | 08/13/24 12:56       | CH      | EET MID |

Client Sample ID: CSB-109-5.25-20240812  
Date Collected: 08/12/24 12:22  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-12  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88264        | 08/13/24 13:15       | CH      | EET MID |

## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47184-1  
SDG: Loving, New Mexico

Client Sample ID: CSW-02-0-3-20240812

Lab Sample ID: 880-47184-13

Date Collected: 08/12/24 12:24

Matrix: Solid

Date Received: 08/13/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88264        | 08/13/24 13:21       | CH      | EET MID |

Client Sample ID: CSB-068-5.25-20240812

Lab Sample ID: 880-47184-14

Date Collected: 08/12/24 14:06

Matrix: Solid

Date Received: 08/13/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88264        | 08/13/24 13:39       | CH      | EET MID |

Client Sample ID: CSB-069-4.5-20240812

Lab Sample ID: 880-47184-15

Date Collected: 08/12/24 14:08

Matrix: Solid

Date Received: 08/13/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88264        | 08/13/24 13:45       | CH      | EET MID |

Client Sample ID: CSB-077-5.25-20240812

Lab Sample ID: 880-47184-16

Date Collected: 08/12/24 14:10

Matrix: Solid

Date Received: 08/13/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88264        | 08/13/24 13:51       | CH      | EET MID |

Client Sample ID: CSB-086-5.25-20240812

Lab Sample ID: 880-47184-17

Date Collected: 08/12/24 14:20

Matrix: Solid

Date Received: 08/13/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88264        | 08/13/24 13:57       | CH      | EET MID |

Client Sample ID: CSB-095-5.25-20240812

Lab Sample ID: 880-47184-18

Date Collected: 08/12/24 14:22

Matrix: Solid

Date Received: 08/13/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88264        | 08/13/24 14:03       | CH      | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47184-1  
SDG: Loving, New Mexico

Client Sample ID: CSB-017-4.0-20240812  
Date Collected: 08/12/24 15:48  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-19  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88264        | 08/13/24 14:09       | CH      | EET MID |

Client Sample ID: CSW-15-0-3-20240812  
Date Collected: 08/12/24 16:04  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-20  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 88260        | 08/13/24 08:33       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88264        | 08/13/24 14:15       | CH      | EET MID |

Client Sample ID: CSB-030-5.5-20240812  
Date Collected: 08/12/24 16:08  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-21  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 88263        | 08/13/24 08:36       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88265        | 08/13/24 15:03       | CH      | EET MID |

Client Sample ID: CSB-021-11.5-20240812  
Date Collected: 08/12/24 16:10  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-22  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 88263        | 08/13/24 08:36       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88265        | 08/13/24 15:21       | CH      | EET MID |

Client Sample ID: CSB-020-12.0-20240812  
Date Collected: 08/12/24 16:12  
Date Received: 08/13/24 08:00

Lab Sample ID: 880-47184-23  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 88263        | 08/13/24 08:36       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88265        | 08/13/24 15:27       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47184-1  
SDG: Loving, New Mexico

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

- 1
- 2
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- 5
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- 10
- 11
- 12
- 13



Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47184-1  
SDG: Loving, New Mexico

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

ASTM = ASTM International  
EPA = US Environmental Protection Agency

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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## Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47184-1  
SDG: Loving, New Mexico

| Lab Sample ID | Client Sample ID      | Matrix | Collected      | Received       |
|---------------|-----------------------|--------|----------------|----------------|
| 880-47184-1   | CSB-048-3.5-20240812  | Solid  | 08/12/24 10:24 | 08/13/24 08:00 |
| 880-47184-2   | CSB-049-3.5-20240812  | Solid  | 08/12/24 10:26 | 08/13/24 08:00 |
| 880-47184-3   | CSB-058-3.5-20240812  | Solid  | 08/12/24 10:28 | 08/13/24 08:00 |
| 880-47184-4   | CSB-059-5.5-20240812  | Solid  | 08/12/24 10:30 | 08/13/24 08:00 |
| 880-47184-5   | CSB-060-5.5-20240812  | Solid  | 08/12/24 11:48 | 08/13/24 08:00 |
| 880-47184-6   | CSW-05-0-3-20240812   | Solid  | 08/12/24 11:50 | 08/13/24 08:00 |
| 880-47184-7   | CSW-08-0-3-20240812   | Solid  | 08/12/24 11:52 | 08/13/24 08:00 |
| 880-47184-8   | CSB-103-4.5-20240812  | Solid  | 08/12/24 12:00 | 08/13/24 08:00 |
| 880-47184-9   | CSB-104-5.0-20240812  | Solid  | 08/12/24 12:02 | 08/13/24 08:00 |
| 880-47184-10  | CSB-105-4.5-20240812  | Solid  | 08/12/24 12:04 | 08/13/24 08:00 |
| 880-47184-11  | CSB-108-5.25-20240812 | Solid  | 08/12/24 12:20 | 08/13/24 08:00 |
| 880-47184-12  | CSB-109-5.25-20240812 | Solid  | 08/12/24 12:22 | 08/13/24 08:00 |
| 880-47184-13  | CSW-02-0-3-20240812   | Solid  | 08/12/24 12:24 | 08/13/24 08:00 |
| 880-47184-14  | CSB-068-5.25-20240812 | Solid  | 08/12/24 14:06 | 08/13/24 08:00 |
| 880-47184-15  | CSB-069-4.5-20240812  | Solid  | 08/12/24 14:08 | 08/13/24 08:00 |
| 880-47184-16  | CSB-077-5.25-20240812 | Solid  | 08/12/24 14:10 | 08/13/24 08:00 |
| 880-47184-17  | CSB-086-5.25-20240812 | Solid  | 08/12/24 14:20 | 08/13/24 08:00 |
| 880-47184-18  | CSB-095-5.25-20240812 | Solid  | 08/12/24 14:22 | 08/13/24 08:00 |
| 880-47184-19  | CSB-017-4.0-20240812  | Solid  | 08/12/24 15:48 | 08/13/24 08:00 |
| 880-47184-20  | CSW-15-0-3-20240812   | Solid  | 08/12/24 16:04 | 08/13/24 08:00 |
| 880-47184-21  | CSB-030-5.5-20240812  | Solid  | 08/12/24 16:08 | 08/13/24 08:00 |
| 880-47184-22  | CSB-021-11.5-20240812 | Solid  | 08/12/24 16:10 | 08/13/24 08:00 |
| 880-47184-23  | CSB-020-12.0-20240812 | Solid  | 08/12/24 16:12 | 08/13/24 08:00 |





## Environment Testing

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
 El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
 Hobbs, NM (575) 382-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5060

## Work Order

880-47184 Chain of Custody

Page 1 of 3

|                                          |                                       |                                                                                                                                                                                  |  |
|------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Project Manager: <b>BRAD WYNNE</b>       | Bill to: (if different)               | Work Order Comments                                                                                                                                                              |  |
| Company Name: <b>AECOM</b>               | Company Name:                         | Program: <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>              |  |
| Address: <b>13555 NOEL RD., STE. 400</b> | Address:                              | State of Project: <b>NEW MEXICO</b>                                                                                                                                              |  |
| City, State ZIP: <b>DALLAS TX 75240</b>  | City, State ZIP:                      | Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Phone: <b>214-971-1829</b>               | Email: <b>bradley.wynne@aecom.com</b> | Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

| Project Name:                                                                                | Turn Around                                                                     | Pres. Code   | ANALYSIS REQUEST | Preservative Codes                                                |
|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------|------------------|-------------------------------------------------------------------|
| Project Number: <b>60734207</b>                                                              | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush       | <b>BC BC</b> |                  | None: NO DI Water: H <sub>2</sub> O                               |
| Project Location: <b>Loving, New Mexico</b>                                                  | Due Date:                                                                       |              |                  | Cool: Cool MeOH: Me                                               |
| Sampler's Name: <b>B. C. Lind, J. Godwin</b>                                                 | TAT starts the day received by the lab, if received by 4:30pm                   |              |                  | HCL: HC HNO <sub>3</sub>                                          |
| PO #:                                                                                        |                                                                                 |              |                  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na          |
| <b>SAMPLE RECEIPT</b>                                                                        | Temp Blank: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |              |                  | H <sub>3</sub> PO <sub>4</sub> : HP                               |
| Samples Received Intact: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Thermometer ID:                                                                 |              |                  | NaHSO <sub>4</sub> : NABIS                                        |
| Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>    | Correction Factor:                                                              |              |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |
| Sample Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>    | Temperature Reading: <b>4.7</b>                                                 |              |                  | Zn Acetate+NaOH: Zn                                               |
| Total Containers:                                                                            | Corrected Temperature: <b>4.9</b>                                               |              |                  | NaOH+Ascorbic Acid: SAPC                                          |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|
| CSB-048-3.5-20240812  | S-1    | 8/12/24      | 10:24        | 3.5   | C         | 1         |
| CSB-049-3.5-20240812  | S-1    | 8/12/24      | 10:26        | 3.5   | C         | 1         |
| CSB-058-3.5-20240812  | S-1    | 8/12/24      | 10:28        | 3.5   | C         | 1         |
| CSB-059-3.5-20240812  | S-1    | 8/12/24      | 10:30        | 3.5   | C         | 1         |
| CSB-060-3.5-20240812  | S-1    | 8/12/24      | 11:48        | 5.5   | C         | 1         |
| CSW-05-0-3-20240812   | S-1    | 8/12/24      | 11:50        | 0-3   | C         | 1         |
| CSW-08-0-3-20240812   | S-1    | 8/12/24      | 11:52        | 0-3   | C         | 1         |
| CSB-103-4.5-20240812  | S-1    | 8/12/24      | 12:00        | 4.5   | C         | 1         |
| CSB-104-5.0-20240812  | S-1    | 8/12/24      | 12:02        | 5.0   | C         | 1         |
| CSB-105-4.5-20240812  | S-1    | 8/12/24      | 12:04        | 4.5   | C         | 1         |

|                                              |                                                                        |                                                                                                                    |
|----------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020:                                                          | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245.1 / 7470 / 7471                                                                                     |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| <i>[Signature]</i>           | <i>[Signature]</i>       | 8/13/24 8:02 |                              |                          |           |
| 3                            |                          | 4            |                              |                          |           |
| 5                            |                          | 6            |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060



## Environment Testing

**Work Order No.:**

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|                                      |  |                                                                           |  |                                                                                                                                                                                  |  |
|--------------------------------------|--|---------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Project Manager: BRAD WYNNE          |  | Bill to: (if different)                                                   |  | Work Order Comments                                                                                                                                                              |  |
| Company Name: AEOM                   |  | Company Name:                                                             |  | Program: <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>              |  |
| Address: 13355 NDEL RD, STE 400      |  | Address:                                                                  |  | State of Project: NEW MEXICO                                                                                                                                                     |  |
| City, State ZIP: DALLAS, TX 75240    |  | City, State ZIP:                                                          |  | Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Phone: 214-971-1829                  |  | Email: bradley.wynne@aeom.com                                             |  | Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |
| Project Name: Angelo CTR             |  | Turn Around                                                               |  | ANALYSIS REQUEST                                                                                                                                                                 |  |
| Project Number: 60734207             |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  | Pres. Code                                                                                                                                                                       |  |
| Project Location: Loving, New Mexico |  | Due Date:                                                                 |  | Parameters                                                                                                                                                                       |  |
| Sampler's Name: B. C. L. J. C. L.    |  | TAT starts the day received by the lab, if received by 4:30pm             |  | Grab/Comp                                                                                                                                                                        |  |
| PO #:                                |  | Temp Blank: Yes No                                                        |  | Time Sampled                                                                                                                                                                     |  |
| SAMPLE RECEIPT                       |  | Temp Blank: Yes No                                                        |  | Date Sampled                                                                                                                                                                     |  |
| Samples Received Intact: Yes No      |  | Thermometer ID:                                                           |  | Matrix                                                                                                                                                                           |  |
| Cooler Custody Seals: Yes No N/A     |  | Correction Factor:                                                        |  | Sample Identification                                                                                                                                                            |  |
| Sample Custody Seals: Yes No N/A     |  | Temperature Reading:                                                      |  | Grab/Comp                                                                                                                                                                        |  |
| Total Containers:                    |  | Corrected Temperature:                                                    |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  | Sample Identification                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Grab/Comp                                                                                                                                                                        |  |
|                                      |  |                                                                           |  | Depth                                                                                                                                                                            |  |
|                                      |  |                                                                           |  | Time Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Date Sampled                                                                                                                                                                     |  |
|                                      |  |                                                                           |  | Matrix                                                                                                                                                                           |  |
|                                      |  |                                                                           |  |                                                                                                                                                                                  |  |





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## Environment Testing

# Chain of Custody

Houston, TX (281) 240-4200; Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440; San Antonio, TX (210) 508-3334  
El Paso, TX (915) 585-3443; Lubbock, TX (806) 794-1298  
Hobbs, NM (575) 392-7550; Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060

**Work Order No:**

[illegible]

Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47184-1  
SDG Number: Loving, New Mexico

Login Number: 47184  
List Number: 1  
Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/15/2024 1:03:48 PM

## JOB DESCRIPTION

Amoco CTB  
Loving, New Mexico

## JOB NUMBER

880-47215-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



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Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47215-1  
SDG: Loving, New Mexico

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1+       | Surrogate recovery exceeds control limits, high biased.                                                        |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ▫              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47215-1

**Job ID: 880-47215-1**

**Eurofins Midland**

### Job Narrative 880-47215-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/14/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CSW-16-0-3-20240813 (880-47215-1), CSW-16-DUP-0-3-20240813 (880-47215-2), CSW-17-0-3-20240813 (880-47215-3), CSB-010-4.0-20240813 (880-47215-4), CSB-011-4.0-20240813 (880-47215-5), CSB-012-3.0-20240813 (880-47215-6) and CSB-013-3.0-20240813 (880-47215-7).

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-88397/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

Client Sample ID: CSW-16-0-3-20240813

Lab Sample ID: 880-47215-1

Date Collected: 08/13/24 11:00

Matrix: Solid

Date Received: 08/14/24 08:00

Sample Depth: 0-3

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00141 | U         | 0.00202 | 0.00141 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:30 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 | 0.00202 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:30 | 1       |
| Ethylbenzene        | <0.00110 | U         | 0.00202 | 0.00110 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:30 | 1       |
| m-Xylene & p-Xylene | <0.00231 | U         | 0.00404 | 0.00231 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:30 | 1       |
| o-Xylene            | <0.00160 | U         | 0.00202 | 0.00160 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:30 | 1       |
| Xylenes, Total      | <0.00231 | U         | 0.00404 | 0.00231 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:30 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 | 08/14/24 09:11 | 08/14/24 12:30 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 | 08/14/24 09:11 | 08/14/24 12:30 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00231 | U         | 0.00404 | 0.00231 | mg/Kg |   |          | 08/14/24 12:30 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.3  | U         | 50.4 | 15.3 | mg/Kg |   |          | 08/14/24 14:54 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.6  | U         | 50.4 | 14.6 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 14:54 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.3  | U         | 50.4 | 15.3 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 14:54 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.3  | U         | 50.4 | 15.3 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 14:54 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 86        |           | 70 - 130 | 08/14/24 11:06 | 08/14/24 14:54 | 1       |
| o-Terphenyl    | 77        |           | 70 - 130 | 08/14/24 11:06 | 08/14/24 14:54 | 1       |

Client Sample ID: CSW-16-DUP-0-3-20240813

Lab Sample ID: 880-47215-2

Date Collected: 08/13/24 11:00

Matrix: Solid

Date Received: 08/14/24 08:00

Sample Depth: 0-3

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00140 | U         | 0.00201 | 0.00140 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:50 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | 0.00201 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:50 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00201 | 0.00109 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:50 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:50 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00201 | 0.00159 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:50 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:50 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 | 08/14/24 09:11 | 08/14/24 12:50 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 | 08/14/24 09:11 | 08/14/24 12:50 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

Client Sample ID: CSW-16-DUP-0-3-20240813

Lab Sample ID: 880-47215-2

Date Collected: 08/13/24 11:00

Matrix: Solid

Date Received: 08/14/24 08:00

Sample Depth: 0-3

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   |          | 08/14/24 12:50 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.9 | 15.1 | mg/Kg |   |          | 08/14/24 15:46 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.9     | 14.5 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 15:46 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 15:46 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 15:46 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 99        |           | 70 - 130 |      |       |   | 08/14/24 11:06 | 08/14/24 15:46 | 1       |
| o-Terphenyl                          | 87        |           | 70 - 130 |      |       |   | 08/14/24 11:06 | 08/14/24 15:46 | 1       |

Client Sample ID: CSW-17-0-3-20240813

Lab Sample ID: 880-47215-3

Date Collected: 08/13/24 11:08

Matrix: Solid

Date Received: 08/14/24 08:00

Sample Depth: 0-3

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 13:11 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 13:11 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 13:11 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 13:11 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 13:11 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 13:11 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 |         |       |   | 08/14/24 09:11 | 08/14/24 13:11 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |         |       |   | 08/14/24 09:11 | 08/14/24 13:11 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 08/14/24 13:11 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 51.6   |           | 49.8 | 15.1 | mg/Kg |   |          | 08/14/24 16:03 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 49.8 | 14.5 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 16:03 | 1       |
| Diesel Range Organics (Over C10-C28) | 51.6   |           | 49.8 | 15.1 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 16:03 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 16:03 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

Client Sample ID: CSW-17-0-3-20240813

Lab Sample ID: 880-47215-3

Date Collected: 08/13/24 11:08

Matrix: Solid

Date Received: 08/14/24 08:00

Sample Depth: 0-3

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 96        |           | 70 - 130 | 08/14/24 11:06 | 08/14/24 16:03 | 1       |
| o-Terphenyl    | 85        |           | 70 - 130 | 08/14/24 11:06 | 08/14/24 16:03 | 1       |

Client Sample ID: CSB-010-4.0-20240813

Lab Sample ID: 880-47215-4

Date Collected: 08/13/24 11:10

Matrix: Solid

Date Received: 08/14/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00138  | U         | 0.00199  | 0.00138 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 13:31 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 13:31 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 13:31 | 1       |
| m-Xylene & p-Xylene         | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 13:31 | 1       |
| o-Xylene                    | <0.00157  | U         | 0.00199  | 0.00157 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 13:31 | 1       |
| Xylenes, Total              | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 13:31 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 |         |       |   | 08/14/24 09:11 | 08/14/24 13:31 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |         |       |   | 08/14/24 09:11 | 08/14/24 13:31 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg |   |          | 08/14/24 13:31 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 49.0   | J         | 49.6 | 15.0 | mg/Kg |   |          | 08/14/24 16:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.4     | U         | 49.6     | 14.4 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 16:20 | 1       |
| Diesel Range Organics (Over C10-C28) | 49.0      | J         | 49.6     | 15.0 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 16:20 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.0     | U         | 49.6     | 15.0 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 16:20 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 92        |           | 70 - 130 |      |       |   | 08/14/24 11:06 | 08/14/24 16:20 | 1       |
| o-Terphenyl                          | 82        |           | 70 - 130 |      |       |   | 08/14/24 11:06 | 08/14/24 16:20 | 1       |

Client Sample ID: CSB-011-4.0-20240813

Lab Sample ID: 880-47215-5

Date Collected: 08/13/24 12:02

Matrix: Solid

Date Received: 08/14/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00140 | U         | 0.00201 | 0.00140 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 13:52 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | 0.00201 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 13:52 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00201 | 0.00109 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 13:52 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 13:52 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

Client Sample ID: CSB-011-4.0-20240813

Lab Sample ID: 880-47215-5

Date Collected: 08/13/24 12:02

Matrix: Solid

Date Received: 08/14/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| o-Xylene                    | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg | — | 08/14/24 09:11 | 08/14/24 13:52 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg | — | 08/14/24 09:11 | 08/14/24 13:52 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 |         |       |   | 08/14/24 09:11 | 08/14/24 13:52 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 |         |       |   | 08/14/24 09:11 | 08/14/24 13:52 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg | — |          | 08/14/24 13:52 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 18.8   | J         | 49.6 | 15.0 | mg/Kg | — |          | 08/14/24 16:37 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.4     | U         | 49.6     | 14.4 | mg/Kg | — | 08/14/24 11:06 | 08/14/24 16:37 | 1       |
| Diesel Range Organics (Over C10-C28) | 18.8      | J         | 49.6     | 15.0 | mg/Kg | — | 08/14/24 11:06 | 08/14/24 16:37 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.0     | U         | 49.6     | 15.0 | mg/Kg | — | 08/14/24 11:06 | 08/14/24 16:37 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 89        |           | 70 - 130 |      |       |   | 08/14/24 11:06 | 08/14/24 16:37 | 1       |
| o-Terphenyl                          | 79        |           | 70 - 130 |      |       |   | 08/14/24 11:06 | 08/14/24 16:37 | 1       |

Client Sample ID: CSB-012-3.0-20240813

Lab Sample ID: 880-47215-6

Date Collected: 08/13/24 12:06

Matrix: Solid

Date Received: 08/14/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg | — | 08/14/24 09:11 | 08/14/24 14:12 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg | — | 08/14/24 09:11 | 08/14/24 14:12 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg | — | 08/14/24 09:11 | 08/14/24 14:12 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg | — | 08/14/24 09:11 | 08/14/24 14:12 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg | — | 08/14/24 09:11 | 08/14/24 14:12 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg | — | 08/14/24 09:11 | 08/14/24 14:12 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 |         |       |   | 08/14/24 09:11 | 08/14/24 14:12 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |         |       |   | 08/14/24 09:11 | 08/14/24 14:12 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg | — |          | 08/14/24 14:12 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

Client Sample ID: CSB-012-3.0-20240813  
Date Collected: 08/13/24 12:06  
Date Received: 08/14/24 08:00  
Sample Depth: 3.0

Lab Sample ID: 880-47215-6  
Matrix: Solid

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)  |           |           |          |      |       |   |                |                |         |
|-----------------------------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Total TPH                                                 | 40.4      | J         | 50.2     | 15.2 | mg/Kg |   |                | 08/14/24 16:54 | 1       |
| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |      |       |   |                |                |         |
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.6     | U         | 50.2     | 14.6 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 16:54 | 1       |
| Diesel Range Organics (Over C10-C28)                      | 40.4      | J         | 50.2     | 15.2 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 16:54 | 1       |
| Oil Range Organics (Over C28-C36)                         | <15.2     | U         | 50.2     | 15.2 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 16:54 | 1       |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                                            | 101       |           | 70 - 130 |      |       |   | 08/14/24 11:06 | 08/14/24 16:54 | 1       |
| o-Terphenyl                                               | 94        |           | 70 - 130 |      |       |   | 08/14/24 11:06 | 08/14/24 16:54 | 1       |

Client Sample ID: CSB-013-3.0-20240813  
Date Collected: 08/13/24 12:10  
Date Received: 08/14/24 08:00  
Sample Depth: 3.0

Lab Sample ID: 880-47215-7  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC) |           |           |          |         |       |   |                |                |         |  |
|-------------------------------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|--|
| Analyte                                               | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Benzene                                               | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 14:33 | 1       |  |
| Toluene                                               | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 14:33 | 1       |  |
| Ethylbenzene                                          | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 14:33 | 1       |  |
| m-Xylene & p-Xylene                                   | <0.00229  | U         | 0.00400  | 0.00229 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 14:33 | 1       |  |
| o-Xylene                                              | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 14:33 | 1       |  |
| Xylenes, Total                                        | <0.00229  | U         | 0.00400  | 0.00229 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 14:33 | 1       |  |
| Surrogate                                             | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 4-Bromofluorobenzene (Surr)                           | 106       |           | 70 - 130 |         |       |   | 08/14/24 09:11 | 08/14/24 14:33 | 1       |  |
| 1,4-Difluorobenzene (Surr)                            | 96        |           | 70 - 130 |         |       |   | 08/14/24 09:11 | 08/14/24 14:33 | 1       |  |

| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |         |       |   |          |                |         |  |
|-----------------------------------------------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|--|
| Analyte                                             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total BTEX                                          | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg |   |          | 08/14/24 14:33 | 1       |  |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH                                                | 49.5   | J         | 50.4 | 15.3 | mg/Kg |   |          | 08/14/24 17:12 | 1       |  |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |      |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|--|
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.6     | U         | 50.4     | 14.6 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 17:12 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | 49.5      | J         | 50.4     | 15.3 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 17:12 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <15.3     | U         | 50.4     | 15.3 | mg/Kg |   | 08/14/24 11:06 | 08/14/24 17:12 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 90        |           | 70 - 130 |      |       |   | 08/14/24 11:06 | 08/14/24 17:12 | 1       |  |
| o-Terphenyl                                               | 80        |           | 70 - 130 |      |       |   | 08/14/24 11:06 | 08/14/24 17:12 | 1       |  |

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## Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                         | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|-----------------------------------|-------------------------|------------------------------------------------|----------|--|--|--|--|
| Lab Sample ID                     | Client Sample ID        | BFB1                                           | DFBZ1    |  |  |  |  |
|                                   |                         | (70-130)                                       | (70-130) |  |  |  |  |
| 880-47215-1                       | CSW-16-0-3-20240813     | 111                                            | 97       |  |  |  |  |
| 880-47215-1 MS                    | CSW-16-0-3-20240813     | 105                                            | 100      |  |  |  |  |
| 880-47215-1 MSD                   | CSW-16-0-3-20240813     | 102                                            | 99       |  |  |  |  |
| 880-47215-2                       | CSW-16-DUP-0-3-20240813 | 111                                            | 97       |  |  |  |  |
| 880-47215-3                       | CSW-17-0-3-20240813     | 109                                            | 97       |  |  |  |  |
| 880-47215-4                       | CSB-010-4.0-20240813    | 108                                            | 95       |  |  |  |  |
| 880-47215-5                       | CSB-011-4.0-20240813    | 110                                            | 96       |  |  |  |  |
| 880-47215-6                       | CSB-012-3.0-20240813    | 108                                            | 97       |  |  |  |  |
| 880-47215-7                       | CSB-013-3.0-20240813    | 106                                            | 96       |  |  |  |  |
| LCS 880-88365/1-A                 | Lab Control Sample      | 105                                            | 99       |  |  |  |  |
| LCSD 880-88365/2-A                | Lab Control Sample Dup  | 102                                            | 100      |  |  |  |  |
| MB 880-88365/5-A                  | Method Blank            | 113                                            | 92       |  |  |  |  |
| <b>Surrogate Legend</b>           |                         |                                                |          |  |  |  |  |
| BFB = 4-Bromofluorobenzene (Surr) |                         |                                                |          |  |  |  |  |
| DFBZ = 1,4-Difluorobenzene (Surr) |                         |                                                |          |  |  |  |  |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                         | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|-------------------------|-------------------------|------------------------------------------------|----------|--|--|--|--|
| Lab Sample ID           | Client Sample ID        | 1CO1                                           | OTPH1    |  |  |  |  |
|                         |                         | (70-130)                                       | (70-130) |  |  |  |  |
| 880-47215-1             | CSW-16-0-3-20240813     | 86                                             | 77       |  |  |  |  |
| 880-47215-1 MS          | CSW-16-0-3-20240813     | 88                                             | 87       |  |  |  |  |
| 880-47215-1 MSD         | CSW-16-0-3-20240813     | 87                                             | 83       |  |  |  |  |
| 880-47215-2             | CSW-16-DUP-0-3-20240813 | 99                                             | 87       |  |  |  |  |
| 880-47215-3             | CSW-17-0-3-20240813     | 96                                             | 85       |  |  |  |  |
| 880-47215-4             | CSB-010-4.0-20240813    | 92                                             | 82       |  |  |  |  |
| 880-47215-5             | CSB-011-4.0-20240813    | 89                                             | 79       |  |  |  |  |
| 880-47215-6             | CSB-012-3.0-20240813    | 101                                            | 94       |  |  |  |  |
| 880-47215-7             | CSB-013-3.0-20240813    | 90                                             | 80       |  |  |  |  |
| LCS 880-88397/2-A       | Lab Control Sample      | 104                                            | 103      |  |  |  |  |
| LCSD 880-88397/3-A      | Lab Control Sample Dup  | 133 S1+                                        | 104      |  |  |  |  |
| MB 880-88397/1-A        | Method Blank            | 118                                            | 105      |  |  |  |  |
| <b>Surrogate Legend</b> |                         |                                                |          |  |  |  |  |
| 1CO = 1-Chlorooctane    |                         |                                                |          |  |  |  |  |
| OTPH = o-Terphenyl      |                         |                                                |          |  |  |  |  |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-88365/5-A

Matrix: Solid

Analysis Batch: 88352

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88365

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139     | U               | 0.00200 | 0.00139 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:08 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | 0.00200 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:08 | 1       |
| Ethylbenzene        | <0.00109     | U               | 0.00200 | 0.00109 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:08 | 1       |
| m-Xylene & p-Xylene | <0.00228     | U               | 0.00399 | 0.00228 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:08 | 1       |
| o-Xylene            | <0.00158     | U               | 0.00200 | 0.00158 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:08 | 1       |
| Xylenes, Total      | <0.00228     | U               | 0.00399 | 0.00228 | mg/Kg |   | 08/14/24 09:11 | 08/14/24 12:08 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 113             |                 | 70 - 130 | 08/14/24 09:11 | 08/14/24 12:08 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92              |                 | 70 - 130 | 08/14/24 09:11 | 08/14/24 12:08 | 1       |

Lab Sample ID: LCS 880-88365/1-A

Matrix: Solid

Analysis Batch: 88352

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88365

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1150        |                  | mg/Kg |   | 115  | 70 - 130       |
| Toluene             | 0.100          | 0.1039        |                  | mg/Kg |   | 104  | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.1074        |                  | mg/Kg |   | 107  | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.2287        |                  | mg/Kg |   | 114  | 70 - 130       |
| o-Xylene            | 0.100          | 0.1124        |                  | mg/Kg |   | 112  | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 105              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 99               |                  | 70 - 130 |

Lab Sample ID: LCSD 880-88365/2-A

Matrix: Solid

Analysis Batch: 88352

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 88365

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1220         |                   | mg/Kg |   | 122  | 70 - 130       | 6   | 35           |
| Toluene             | 0.100          | 0.1099         |                   | mg/Kg |   | 110  | 70 - 130       | 6   | 35           |
| Ethylbenzene        | 0.100          | 0.1133         |                   | mg/Kg |   | 113  | 70 - 130       | 5   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2409         |                   | mg/Kg |   | 120  | 70 - 130       | 5   | 35           |
| o-Xylene            | 0.100          | 0.1183         |                   | mg/Kg |   | 118  | 70 - 130       | 5   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 102               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 100               |                   | 70 - 130 |

Lab Sample ID: 880-47215-1 MS

Matrix: Solid

Analysis Batch: 88352

Client Sample ID: CSW-16-0-3-20240813

Prep Type: Total/NA

Prep Batch: 88365

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00141         | U                   | 0.100          | 0.1168       |                 | mg/Kg |   | 117  | 70 - 130       |
| Toluene | <0.00202         | U                   | 0.100          | 0.1056       |                 | mg/Kg |   | 106  | 70 - 130       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-47215-1 MS

Matrix: Solid

Analysis Batch: 88352

Client Sample ID: CSW-16-0-3-20240813

Prep Type: Total/NA

Prep Batch: 88365

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00110      | U                | 0.100       | 0.1087    |              | mg/Kg |   | 109  | 70 - 130    |
| m-Xylene & p-Xylene | <0.00231      | U                | 0.200       | 0.2300    |              | mg/Kg |   | 115  | 70 - 130    |
| o-Xylene            | <0.00160      | U                | 0.100       | 0.1124    |              | mg/Kg |   | 112  | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 105          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 100          |              | 70 - 130 |

Lab Sample ID: 880-47215-1 MSD

Matrix: Solid

Analysis Batch: 88352

Client Sample ID: CSW-16-0-3-20240813

Prep Type: Total/NA

Prep Batch: 88365

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00141      | U                | 0.100       | 0.1177     |               | mg/Kg |   | 118  | 70 - 130    | 1   | 35        |
| Toluene             | <0.00202      | U                | 0.100       | 0.1057     |               | mg/Kg |   | 106  | 70 - 130    | 0   | 35        |
| Ethylbenzene        | <0.00110      | U                | 0.100       | 0.1081     |               | mg/Kg |   | 108  | 70 - 130    | 1   | 35        |
| m-Xylene & p-Xylene | <0.00231      | U                | 0.200       | 0.2278     |               | mg/Kg |   | 114  | 70 - 130    | 1   | 35        |
| o-Xylene            | <0.00160      | U                | 0.100       | 0.1113     |               | mg/Kg |   | 111  | 70 - 130    | 1   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 102           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 99            |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-88397/1-A

Matrix: Solid

Analysis Batch: 88413

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88397

| Analyte                              | MB Result | MB Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U            | 50.0 | 14.5 | mg/Kg |   | 08/14/24 08:05 | 08/14/24 08:46 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U            | 50.0 | 15.1 | mg/Kg |   | 08/14/24 08:05 | 08/14/24 08:46 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U            | 50.0 | 15.1 | mg/Kg |   | 08/14/24 08:05 | 08/14/24 08:46 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 118          |              | 70 - 130 | 08/14/24 08:05 | 08/14/24 08:46 | 1       |
| o-Terphenyl    | 105          |              | 70 - 130 | 08/14/24 08:05 | 08/14/24 08:46 | 1       |

Lab Sample ID: LCS 880-88397/2-A

Matrix: Solid

Analysis Batch: 88413

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88397

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1107       |               | mg/Kg |   | 111  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 979.1      |               | mg/Kg |   | 98   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-88397/2-A

Matrix: Solid

Analysis Batch: 88413

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88397

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 104       |           | 70 - 130 |
| o-Terphenyl    | 103       |           | 70 - 130 |

Lab Sample ID: LCSD 880-88397/3-A

Matrix: Solid

Analysis Batch: 88413

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 88397

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1123        |                | mg/Kg |   | 112  | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 896.4       |                | mg/Kg |   | 90   | 70 - 130    | 9   | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 133       | S1+       | 70 - 130 |
| o-Terphenyl    | 104       |           | 70 - 130 |

Lab Sample ID: 880-47215-1 MS

Matrix: Solid

Analysis Batch: 88413

Client Sample ID: CSW-16-0-3-20240813

Prep Type: Total/NA

Prep Batch: 88397

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.6         | U                | 1000        | 961.7     |              | mg/Kg |   | 96   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <15.3         | U                | 1000        | 857.4     |              | mg/Kg |   | 85   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 88        |           | 70 - 130 |
| o-Terphenyl    | 87        |           | 70 - 130 |

Lab Sample ID: 880-47215-1 MSD

Matrix: Solid

Analysis Batch: 88413

Client Sample ID: CSW-16-0-3-20240813

Prep Type: Total/NA

Prep Batch: 88397

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.6         | U                | 1000        | 952.9      |               | mg/Kg |   | 95   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <15.3         | U                | 1000        | 827.5      |               | mg/Kg |   | 82   | 70 - 130    | 4   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 87        |           | 70 - 130 |
| o-Terphenyl    | 83        |           | 70 - 130 |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

## GC VOA

## Analysis Batch: 88352

| Lab Sample ID      | Client Sample ID        | Prep Type | Matrix | Method | Prep Batch |
|--------------------|-------------------------|-----------|--------|--------|------------|
| 880-47215-1        | CSW-16-0-3-20240813     | Total/NA  | Solid  | 8021B  | 88365      |
| 880-47215-2        | CSW-16-DUP-0-3-20240813 | Total/NA  | Solid  | 8021B  | 88365      |
| 880-47215-3        | CSW-17-0-3-20240813     | Total/NA  | Solid  | 8021B  | 88365      |
| 880-47215-4        | CSB-010-4.0-20240813    | Total/NA  | Solid  | 8021B  | 88365      |
| 880-47215-5        | CSB-011-4.0-20240813    | Total/NA  | Solid  | 8021B  | 88365      |
| 880-47215-6        | CSB-012-3.0-20240813    | Total/NA  | Solid  | 8021B  | 88365      |
| 880-47215-7        | CSB-013-3.0-20240813    | Total/NA  | Solid  | 8021B  | 88365      |
| MB 880-88365/5-A   | Method Blank            | Total/NA  | Solid  | 8021B  | 88365      |
| LCS 880-88365/1-A  | Lab Control Sample      | Total/NA  | Solid  | 8021B  | 88365      |
| LCSD 880-88365/2-A | Lab Control Sample Dup  | Total/NA  | Solid  | 8021B  | 88365      |
| 880-47215-1 MS     | CSW-16-0-3-20240813     | Total/NA  | Solid  | 8021B  | 88365      |
| 880-47215-1 MSD    | CSW-16-0-3-20240813     | Total/NA  | Solid  | 8021B  | 88365      |

## Prep Batch: 88365

| Lab Sample ID      | Client Sample ID        | Prep Type | Matrix | Method | Prep Batch |
|--------------------|-------------------------|-----------|--------|--------|------------|
| 880-47215-1        | CSW-16-0-3-20240813     | Total/NA  | Solid  | 5035   |            |
| 880-47215-2        | CSW-16-DUP-0-3-20240813 | Total/NA  | Solid  | 5035   |            |
| 880-47215-3        | CSW-17-0-3-20240813     | Total/NA  | Solid  | 5035   |            |
| 880-47215-4        | CSB-010-4.0-20240813    | Total/NA  | Solid  | 5035   |            |
| 880-47215-5        | CSB-011-4.0-20240813    | Total/NA  | Solid  | 5035   |            |
| 880-47215-6        | CSB-012-3.0-20240813    | Total/NA  | Solid  | 5035   |            |
| 880-47215-7        | CSB-013-3.0-20240813    | Total/NA  | Solid  | 5035   |            |
| MB 880-88365/5-A   | Method Blank            | Total/NA  | Solid  | 5035   |            |
| LCS 880-88365/1-A  | Lab Control Sample      | Total/NA  | Solid  | 5035   |            |
| LCSD 880-88365/2-A | Lab Control Sample Dup  | Total/NA  | Solid  | 5035   |            |
| 880-47215-1 MS     | CSW-16-0-3-20240813     | Total/NA  | Solid  | 5035   |            |
| 880-47215-1 MSD    | CSW-16-0-3-20240813     | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 88500

| Lab Sample ID | Client Sample ID        | Prep Type | Matrix | Method     | Prep Batch |
|---------------|-------------------------|-----------|--------|------------|------------|
| 880-47215-1   | CSW-16-0-3-20240813     | Total/NA  | Solid  | Total BTEX |            |
| 880-47215-2   | CSW-16-DUP-0-3-20240813 | Total/NA  | Solid  | Total BTEX |            |
| 880-47215-3   | CSW-17-0-3-20240813     | Total/NA  | Solid  | Total BTEX |            |
| 880-47215-4   | CSB-010-4.0-20240813    | Total/NA  | Solid  | Total BTEX |            |
| 880-47215-5   | CSB-011-4.0-20240813    | Total/NA  | Solid  | Total BTEX |            |
| 880-47215-6   | CSB-012-3.0-20240813    | Total/NA  | Solid  | Total BTEX |            |
| 880-47215-7   | CSB-013-3.0-20240813    | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 88397

| Lab Sample ID     | Client Sample ID        | Prep Type | Matrix | Method      | Prep Batch |
|-------------------|-------------------------|-----------|--------|-------------|------------|
| 880-47215-1       | CSW-16-0-3-20240813     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47215-2       | CSW-16-DUP-0-3-20240813 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47215-3       | CSW-17-0-3-20240813     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47215-4       | CSB-010-4.0-20240813    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47215-5       | CSB-011-4.0-20240813    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47215-6       | CSB-012-3.0-20240813    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47215-7       | CSB-013-3.0-20240813    | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-88397/1-A  | Method Blank            | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-88397/2-A | Lab Control Sample      | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

## GC Semi VOA (Continued)

## Prep Batch: 88397 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| LCSD 880-88397/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47215-1 MS     | CSW-16-0-3-20240813    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47215-1 MSD    | CSW-16-0-3-20240813    | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 88413

| Lab Sample ID      | Client Sample ID        | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|-------------------------|-----------|--------|----------|------------|
| 880-47215-1        | CSW-16-0-3-20240813     | Total/NA  | Solid  | 8015B NM | 88397      |
| 880-47215-2        | CSW-16-DUP-0-3-20240813 | Total/NA  | Solid  | 8015B NM | 88397      |
| 880-47215-3        | CSW-17-0-3-20240813     | Total/NA  | Solid  | 8015B NM | 88397      |
| 880-47215-4        | CSB-010-4.0-20240813    | Total/NA  | Solid  | 8015B NM | 88397      |
| 880-47215-5        | CSB-011-4.0-20240813    | Total/NA  | Solid  | 8015B NM | 88397      |
| 880-47215-6        | CSB-012-3.0-20240813    | Total/NA  | Solid  | 8015B NM | 88397      |
| 880-47215-7        | CSB-013-3.0-20240813    | Total/NA  | Solid  | 8015B NM | 88397      |
| MB 880-88397/1-A   | Method Blank            | Total/NA  | Solid  | 8015B NM | 88397      |
| LCS 880-88397/2-A  | Lab Control Sample      | Total/NA  | Solid  | 8015B NM | 88397      |
| LCSD 880-88397/3-A | Lab Control Sample Dup  | Total/NA  | Solid  | 8015B NM | 88397      |
| 880-47215-1 MS     | CSW-16-0-3-20240813     | Total/NA  | Solid  | 8015B NM | 88397      |
| 880-47215-1 MSD    | CSW-16-0-3-20240813     | Total/NA  | Solid  | 8015B NM | 88397      |

## Analysis Batch: 88522

| Lab Sample ID | Client Sample ID        | Prep Type | Matrix | Method  | Prep Batch |
|---------------|-------------------------|-----------|--------|---------|------------|
| 880-47215-1   | CSW-16-0-3-20240813     | Total/NA  | Solid  | 8015 NM |            |
| 880-47215-2   | CSW-16-DUP-0-3-20240813 | Total/NA  | Solid  | 8015 NM |            |
| 880-47215-3   | CSW-17-0-3-20240813     | Total/NA  | Solid  | 8015 NM |            |
| 880-47215-4   | CSB-010-4.0-20240813    | Total/NA  | Solid  | 8015 NM |            |
| 880-47215-5   | CSB-011-4.0-20240813    | Total/NA  | Solid  | 8015 NM |            |
| 880-47215-6   | CSB-012-3.0-20240813    | Total/NA  | Solid  | 8015 NM |            |
| 880-47215-7   | CSB-013-3.0-20240813    | Total/NA  | Solid  | 8015 NM |            |

Eurofins Midland



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

Client Sample ID: CSW-16-0-3-20240813

Lab Sample ID: 880-47215-1

Date Collected: 08/13/24 11:00

Matrix: Solid

Date Received: 08/14/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 88365        | 08/14/24 09:11       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88352        | 08/14/24 12:30       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88500        | 08/14/24 12:30       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88522        | 08/14/24 14:54       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.92 g         | 10 mL        | 88397        | 08/14/24 11:06       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88413        | 08/14/24 14:54       | TKC     | EET MID |

Client Sample ID: CSW-16-DUP-0-3-20240813

Lab Sample ID: 880-47215-2

Date Collected: 08/13/24 11:00

Matrix: Solid

Date Received: 08/14/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 88365        | 08/14/24 09:11       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88352        | 08/14/24 12:50       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88500        | 08/14/24 12:50       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88522        | 08/14/24 15:46       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 88397        | 08/14/24 11:06       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88413        | 08/14/24 15:46       | TKC     | EET MID |

Client Sample ID: CSW-17-0-3-20240813

Lab Sample ID: 880-47215-3

Date Collected: 08/13/24 11:08

Matrix: Solid

Date Received: 08/14/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 88365        | 08/14/24 09:11       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88352        | 08/14/24 13:11       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88500        | 08/14/24 13:11       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88522        | 08/14/24 16:03       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 88397        | 08/14/24 11:06       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88413        | 08/14/24 16:03       | TKC     | EET MID |

Client Sample ID: CSB-010-4.0-20240813

Lab Sample ID: 880-47215-4

Date Collected: 08/13/24 11:10

Matrix: Solid

Date Received: 08/14/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 88365        | 08/14/24 09:11       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88352        | 08/14/24 13:31       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88500        | 08/14/24 13:31       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88522        | 08/14/24 16:20       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.08 g        | 10 mL        | 88397        | 08/14/24 11:06       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88413        | 08/14/24 16:20       | TKC     | EET MID |

Eurofins Midland

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

Client Sample ID: CSB-011-4.0-20240813  
Date Collected: 08/13/24 12:02  
Date Received: 08/14/24 08:00

Lab Sample ID: 880-47215-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 88365        | 08/14/24 09:11       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88352        | 08/14/24 13:52       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88500        | 08/14/24 13:52       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88522        | 08/14/24 16:37       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.09 g        | 10 mL        | 88397        | 08/14/24 11:06       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88413        | 08/14/24 16:37       | TKC     | EET MID |

Client Sample ID: CSB-012-3.0-20240813  
Date Collected: 08/13/24 12:06  
Date Received: 08/14/24 08:00

Lab Sample ID: 880-47215-6  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 88365        | 08/14/24 09:11       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88352        | 08/14/24 14:12       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88500        | 08/14/24 14:12       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88522        | 08/14/24 16:54       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.97 g         | 10 mL        | 88397        | 08/14/24 11:06       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88413        | 08/14/24 16:54       | TKC     | EET MID |

Client Sample ID: CSB-013-3.0-20240813  
Date Collected: 08/13/24 12:10  
Date Received: 08/14/24 08:00

Lab Sample ID: 880-47215-7  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 88365        | 08/14/24 09:11       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88352        | 08/14/24 14:33       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88500        | 08/14/24 14:33       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88522        | 08/14/24 17:12       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.92 g         | 10 mL        | 88397        | 08/14/24 11:06       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88413        | 08/14/24 17:12       | TKC     | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |

Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

| Method      | Method Description               | Protocol | Laboratory |
|-------------|----------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)  | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation           | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 5035        | Closed System Purge and Trap     | SW846    | EET MID    |
| 8015NM Prep | Microextraction                  | SW846    | EET MID    |

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-1  
SDG: Loving, New Mexico

| Lab Sample ID | Client Sample ID        | Matrix | Collected      | Received       | Depth |
|---------------|-------------------------|--------|----------------|----------------|-------|
| 880-47215-1   | CSW-16-0-3-20240813     | Solid  | 08/13/24 11:00 | 08/14/24 08:00 | 0-3   |
| 880-47215-2   | CSW-16-DUP-0-3-20240813 | Solid  | 08/13/24 11:00 | 08/14/24 08:00 | 0-3   |
| 880-47215-3   | CSW-17-0-3-20240813     | Solid  | 08/13/24 11:08 | 08/14/24 08:00 | 0-3   |
| 880-47215-4   | CSB-010-4.0-20240813    | Solid  | 08/13/24 11:10 | 08/14/24 08:00 | 4.0   |
| 880-47215-5   | CSB-011-4.0-20240813    | Solid  | 08/13/24 12:02 | 08/14/24 08:00 | 4.0   |
| 880-47215-6   | CSB-012-3.0-20240813    | Solid  | 08/13/24 12:06 | 08/14/24 08:00 | 3.0   |
| 880-47215-7   | CSB-013-3.0-20240813    | Solid  | 08/13/24 12:10 | 08/14/24 08:00 | 3.0   |



## Environment Testing

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5080



Work Order  
 880-47215 Chain of Custody

|                                          |  |                                       |  |                                                                                                                                                                                  |  |
|------------------------------------------|--|---------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Project Manager: <b>BRAD WYNNE</b>       |  | Bill to: (if different)               |  | Work Order Comments                                                                                                                                                              |  |
| Company Name: <b>AECOM</b>               |  | Company Name:                         |  | Program: <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>              |  |
| Address: <b>13355 NDEL RD, STE 400</b>   |  | Address:                              |  | State of Project: <b>NEW MEXICO</b>                                                                                                                                              |  |
| City, State ZIP: <b>DALLAS, TX 75240</b> |  | City, State ZIP:                      |  | Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Phone: <b>214-971-1829</b>               |  | Email: <b>bradley_wynne@aecom.com</b> |  | Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

|                                               |  |                                                                           |  |                  |  |                                                          |  |
|-----------------------------------------------|--|---------------------------------------------------------------------------|--|------------------|--|----------------------------------------------------------|--|
| Project Name: <b>Amoco CTR</b>                |  | Turn Around                                                               |  | ANALYSIS REQUEST |  | Preservative Codes                                       |  |
| Project Number: <b>60734207</b>               |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |                  |  | None: NO DI Water: H <sub>2</sub> O                      |  |
| Project Location: <b>Louisa, New Mexico</b>   |  | Due Date:                                                                 |  |                  |  | Cool: Cool MeOH: Me                                      |  |
| Sampler's Name: <b>B. Cloud, J. Gutierrez</b> |  | TAT starts the day received by the lab, if received by 4:30pm             |  |                  |  | HCL: HC HNO <sub>3</sub>                                 |  |
| PO #:                                         |  |                                                                           |  |                  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na |  |

|                                                                                                   |  |                                                                                      |  |                                                                                   |  |
|---------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|
| SAMPLE RECEIPT                                                                                    |  | Temp Blank: Yes (No) <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Wet Ice: Yes (No) <input checked="" type="checkbox"/> No <input type="checkbox"/> |  |
| Samples Received Intact: Yes (No) <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Thermometer ID: <b>118</b>                                                           |  |                                                                                   |  |
| Cooler Custody Seals: Yes (No) <input checked="" type="checkbox"/> No <input type="checkbox"/>    |  | Correction Factor: <b>0.7</b>                                                        |  |                                                                                   |  |
| Sample Custody Seals: Yes (No) <input checked="" type="checkbox"/> No <input type="checkbox"/>    |  | Temperature Reading: <b>0.7</b>                                                      |  |                                                                                   |  |
| Total Containers: <b>6</b>                                                                        |  | Corrected Temperature: <b>0.6</b>                                                    |  |                                                                                   |  |

| Sample Identification  | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters          | Pres. Code | Analysis Request | Preservative Codes | Sample Comments |
|------------------------|--------|--------------|--------------|-------|-----------|-----------|---------------------|------------|------------------|--------------------|-----------------|
| CSW-16-0-3-20240813    | Soil   | 8/13/24      | 11:00        | 0-3   | C         | 1         | CHLORIDE - SAME DAY |            |                  |                    |                 |
| CSW-16-10-0-3-20240813 | Soil   | 8/13/24      | 11:00        | 0-3   | C         | 1         | BTEX - 2 DAY TAT    |            |                  |                    |                 |
| CSW-17-0-3-20240813    | Soil   | 8/13/24      | 11:08        | 0-3   | C         | 1         | TPH - 2 DAY TAT     |            |                  |                    |                 |
| CSB-010-4-0-20240813   | Soil   | 8/13/24      | 11:10        | 4-0   | C         | 1         |                     |            |                  |                    |                 |
| CSB-011-4-0-20240813   | Soil   | 8/13/24      | 12:02        | 4-0   | C         | 1         |                     |            |                  |                    |                 |
| CSB-012-3-0-20240813   | Soil   | 8/13/24      | 12:06        | 3-0   | C         | 1         |                     |            |                  |                    |                 |
| CSB-013-3-0-20240813   | Soil   | 8/13/24      | 12:10        | 3-0   | C         | 1         |                     |            |                  |                    |                 |

|                                              |  |                                                                                                                    |  |
|----------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|--|
| Total 200.7 / 6010 200.8 / 6020:             |  | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |  |
| Circle Method(s) and Metal(s) to be analyzed |  | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471              |  |

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |                              |                          |             |
|------------------------------|--------------------------|------------------------------|--------------------------|-------------|
| Relinquished by: (Signature) | Received by: (Signature) | Relinquished by: (Signature) | Received by: (Signature) | Date/Time   |
| <i>[Signature]</i>           | <i>[Signature]</i>       | <i>[Signature]</i>           | <i>[Signature]</i>       | 8/14/24 800 |
| 3                            |                          |                              |                          | 4           |
| 6                            |                          |                              |                          | 6           |

Revised Date: 08/25/2020 Rev. 2020.2



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47215-1  
SDG Number: Loving, New Mexico

Login Number: 47215

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/15/2024 11:23:52 AM

## JOB DESCRIPTION

Amoco CTB  
Loving, New Mexico

## JOB NUMBER

880-47215-2

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/15/2024 11:23:52 AM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47215-2  
SDG: Loving, New Mexico

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-2  
SDG: Loving, New Mexico

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47215-2

**Job ID: 880-47215-2**

**Eurofins Midland**

### Job Narrative 880-47215-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/14/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CSW-16-0-3-20240813 (880-47215-1), CSW-16-DUP-0-3-20240813 (880-47215-2), CSW-17-0-3-20240813 (880-47215-3), CSB-010-4.0-20240813 (880-47215-4), CSB-011-4.0-20240813 (880-47215-5), CSB-012-3.0-20240813 (880-47215-6) and CSB-013-3.0-20240813 (880-47215-7).

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland



## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-2  
SDG: Loving, New Mexico

Client Sample ID: CSW-16-0-3-20240813

Lab Sample ID: 880-47215-1

Date Collected: 08/13/24 11:00

Matrix: Solid

Date Received: 08/14/24 08:00

Sample Depth: 0-3

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 707    |           | 5.02 | 0.397 | mg/Kg |   |          | 08/14/24 10:03 | 1       |

Client Sample ID: CSW-16-DUP-0-3-20240813

Lab Sample ID: 880-47215-2

Date Collected: 08/13/24 11:00

Matrix: Solid

Date Received: 08/14/24 08:00

Sample Depth: 0-3

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 716    |           | 5.05 | 0.399 | mg/Kg |   |          | 08/14/24 10:22 | 1       |

Client Sample ID: CSW-17-0-3-20240813

Lab Sample ID: 880-47215-3

Date Collected: 08/13/24 11:08

Matrix: Solid

Date Received: 08/14/24 08:00

Sample Depth: 0-3

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 2160   |           | 24.9 | 1.96 | mg/Kg |   |          | 08/14/24 10:28 | 5       |

Client Sample ID: CSB-010-4.0-20240813

Lab Sample ID: 880-47215-4

Date Collected: 08/13/24 11:10

Matrix: Solid

Date Received: 08/14/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 601    |           | 5.00 | 0.395 | mg/Kg |   |          | 08/14/24 10:34 | 1       |

Client Sample ID: CSB-011-4.0-20240813

Lab Sample ID: 880-47215-5

Date Collected: 08/13/24 12:02

Matrix: Solid

Date Received: 08/14/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1530   |           | 25.3 | 1.99 | mg/Kg |   |          | 08/14/24 10:40 | 5       |

Client Sample ID: CSB-012-3.0-20240813

Lab Sample ID: 880-47215-6

Date Collected: 08/13/24 12:06

Matrix: Solid

Date Received: 08/14/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1520   |           | 25.2 | 1.99 | mg/Kg |   |          | 08/14/24 10:58 | 5       |

Eurofins Midland

Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-2  
SDG: Loving, New Mexico

Client Sample ID: CSB-013-3.0-20240813  
Date Collected: 08/13/24 12:10  
Date Received: 08/14/24 08:00  
Sample Depth: 3.0

Lab Sample ID: 880-47215-7  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                 | 370    |           | 5.01 | 0.396 | mg/Kg |   |          | 08/14/24 11:04 | 1       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-2  
SDG: Loving, New Mexico

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-88354/1-A

Matrix: Solid

Analysis Batch: 88364

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/14/24 09:45 | 1       |

Lab Sample ID: LCS 880-88354/2-A

Matrix: Solid

Analysis Batch: 88364

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 251.6         |                  | mg/Kg |   | 101  | 90 - 110       |

Lab Sample ID: LCSD 880-88354/3-A

Matrix: Solid

Analysis Batch: 88364

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 252.5          |                   | mg/Kg |   | 101  | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-47215-1 MS

Matrix: Solid

Analysis Batch: 88364

Client Sample ID: CSW-16-0-3-20240813

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 707              |                     | 251            | 938.0        |                 | mg/Kg |   | 92   | 90 - 110       |

Lab Sample ID: 880-47215-1 MSD

Matrix: Solid

Analysis Batch: 88364

Client Sample ID: CSW-16-0-3-20240813

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 707              |                     | 251            | 933.9         |                  | mg/Kg |   | 90   | 90 - 110       | 0   | 20           |

Lab Sample ID: MB 880-88440/1-A

Matrix: Solid

Analysis Batch: 88451

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/15/24 02:50 | 1       |

Lab Sample ID: LCS 880-88440/2-A

Matrix: Solid

Analysis Batch: 88451

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 256.7         |                  | mg/Kg |   | 103  | 90 - 110       |

Lab Sample ID: LCSD 880-88440/3-A

Matrix: Solid

Analysis Batch: 88451

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 256.8          |                   | mg/Kg |   | 103  | 90 - 110       | 0   | 20           |

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QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-2  
SDG: Loving, New Mexico

Method: 300.0 - Anions, Ion Chromatography

|                                   |        |           |       |        |           |       |   |      |          |                                |  |  |  |
|-----------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--------------------------------|--|--|--|
| Lab Sample ID: 880-47238-A-2-B MS |        |           |       |        |           |       |   |      |          | Client Sample ID: Matrix Spike |  |  |  |
| Matrix: Solid                     |        |           |       |        |           |       |   |      |          | Prep Type: Soluble             |  |  |  |
| Analysis Batch: 88451             |        |           |       |        |           |       |   |      |          |                                |  |  |  |
|                                   | Sample | Sample    | Spike | MS     | MS        |       |   |      | %Rec     |                                |  |  |  |
| Analyte                           | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |                                |  |  |  |
| Chloride                          | 364    |           | 248   | 626.5  |           | mg/Kg |   | 106  | 90 - 110 |                                |  |  |  |

|                                    |        |           |       |        |           |       |   |      |          |                                          |  |       |  |
|------------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|------------------------------------------|--|-------|--|
| Lab Sample ID: 880-47238-A-2-C MSD |        |           |       |        |           |       |   |      |          | Client Sample ID: Matrix Spike Duplicate |  |       |  |
| Matrix: Solid                      |        |           |       |        |           |       |   |      |          | Prep Type: Soluble                       |  |       |  |
| Analysis Batch: 88451              |        |           |       |        |           |       |   |      |          |                                          |  |       |  |
|                                    | Sample | Sample    | Spike | MSD    | MSD       |       |   |      | %Rec     |                                          |  | RPD   |  |
| Analyte                            | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD                                      |  | Limit |  |
| Chloride                           | 364    |           | 248   | 625.7  |           | mg/Kg |   | 105  | 90 - 110 | 0                                        |  | 20    |  |



## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-2  
SDG: Loving, New Mexico

## HPLC/IC

## Leach Batch: 88354

| Lab Sample ID      | Client Sample ID        | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|-------------------------|-----------|--------|----------|------------|
| 880-47215-1        | CSW-16-0-3-20240813     | Soluble   | Solid  | DI Leach |            |
| 880-47215-2        | CSW-16-DUP-0-3-20240813 | Soluble   | Solid  | DI Leach |            |
| 880-47215-3        | CSW-17-0-3-20240813     | Soluble   | Solid  | DI Leach |            |
| 880-47215-4        | CSB-010-4.0-20240813    | Soluble   | Solid  | DI Leach |            |
| 880-47215-5        | CSB-011-4.0-20240813    | Soluble   | Solid  | DI Leach |            |
| 880-47215-6        | CSB-012-3.0-20240813    | Soluble   | Solid  | DI Leach |            |
| 880-47215-7        | CSB-013-3.0-20240813    | Soluble   | Solid  | DI Leach |            |
| MB 880-88354/1-A   | Method Blank            | Soluble   | Solid  | DI Leach |            |
| LCS 880-88354/2-A  | Lab Control Sample      | Soluble   | Solid  | DI Leach |            |
| LCSD 880-88354/3-A | Lab Control Sample Dup  | Soluble   | Solid  | DI Leach |            |
| 880-47215-1 MS     | CSW-16-0-3-20240813     | Soluble   | Solid  | DI Leach |            |
| 880-47215-1 MSD    | CSW-16-0-3-20240813     | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 88364

| Lab Sample ID      | Client Sample ID        | Prep Type | Matrix | Method | Prep Batch |
|--------------------|-------------------------|-----------|--------|--------|------------|
| 880-47215-1        | CSW-16-0-3-20240813     | Soluble   | Solid  | 300.0  | 88354      |
| 880-47215-2        | CSW-16-DUP-0-3-20240813 | Soluble   | Solid  | 300.0  | 88354      |
| 880-47215-3        | CSW-17-0-3-20240813     | Soluble   | Solid  | 300.0  | 88354      |
| 880-47215-4        | CSB-010-4.0-20240813    | Soluble   | Solid  | 300.0  | 88354      |
| 880-47215-5        | CSB-011-4.0-20240813    | Soluble   | Solid  | 300.0  | 88354      |
| 880-47215-6        | CSB-012-3.0-20240813    | Soluble   | Solid  | 300.0  | 88354      |
| 880-47215-7        | CSB-013-3.0-20240813    | Soluble   | Solid  | 300.0  | 88354      |
| MB 880-88354/1-A   | Method Blank            | Soluble   | Solid  | 300.0  | 88354      |
| LCS 880-88354/2-A  | Lab Control Sample      | Soluble   | Solid  | 300.0  | 88354      |
| LCSD 880-88354/3-A | Lab Control Sample Dup  | Soluble   | Solid  | 300.0  | 88354      |
| 880-47215-1 MS     | CSW-16-0-3-20240813     | Soluble   | Solid  | 300.0  | 88354      |
| 880-47215-1 MSD    | CSW-16-0-3-20240813     | Soluble   | Solid  | 300.0  | 88354      |

## Leach Batch: 88440

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| MB 880-88440/1-A    | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-88440/2-A   | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-88440/3-A  | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-47238-A-2-B MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-47238-A-2-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 88451

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| MB 880-88440/1-A    | Method Blank           | Soluble   | Solid  | 300.0  | 88440      |
| LCS 880-88440/2-A   | Lab Control Sample     | Soluble   | Solid  | 300.0  | 88440      |
| LCSD 880-88440/3-A  | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 88440      |
| 880-47238-A-2-B MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 88440      |
| 880-47238-A-2-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 88440      |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-2  
SDG: Loving, New Mexico

Client Sample ID: CSW-16-0-3-20240813

Lab Sample ID: 880-47215-1

Date Collected: 08/13/24 11:00

Matrix: Solid

Date Received: 08/14/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 88354        | 08/14/24 08:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88364        | 08/14/24 10:03       | CH      | EET MID |

Client Sample ID: CSW-16-DUP-0-3-20240813

Lab Sample ID: 880-47215-2

Date Collected: 08/13/24 11:00

Matrix: Solid

Date Received: 08/14/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 88354        | 08/14/24 08:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88364        | 08/14/24 10:22       | CH      | EET MID |

Client Sample ID: CSW-17-0-3-20240813

Lab Sample ID: 880-47215-3

Date Collected: 08/13/24 11:08

Matrix: Solid

Date Received: 08/14/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 88354        | 08/14/24 08:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88364        | 08/14/24 10:28       | CH      | EET MID |

Client Sample ID: CSB-010-4.0-20240813

Lab Sample ID: 880-47215-4

Date Collected: 08/13/24 11:10

Matrix: Solid

Date Received: 08/14/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 88354        | 08/14/24 08:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88364        | 08/14/24 10:34       | CH      | EET MID |

Client Sample ID: CSB-011-4.0-20240813

Lab Sample ID: 880-47215-5

Date Collected: 08/13/24 12:02

Matrix: Solid

Date Received: 08/14/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 88354        | 08/14/24 08:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88364        | 08/14/24 10:40       | CH      | EET MID |

Client Sample ID: CSB-012-3.0-20240813

Lab Sample ID: 880-47215-6

Date Collected: 08/13/24 12:06

Matrix: Solid

Date Received: 08/14/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 88354        | 08/14/24 08:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88364        | 08/14/24 10:58       | CH      | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-2  
SDG: Loving, New Mexico

Client Sample ID: CSB-013-3.0-20240813  
Date Collected: 08/13/24 12:10  
Date Received: 08/14/24 08:00

Lab Sample ID: 880-47215-7  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 88354        | 08/14/24 08:43       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88364        | 08/14/24 11:04       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-2  
SDG: Loving, New Mexico

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

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Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-2  
SDG: Loving, New Mexico

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47215-2  
SDG: Loving, New Mexico

| Lab Sample ID | Client Sample ID        | Matrix | Collected      | Received       | Depth |
|---------------|-------------------------|--------|----------------|----------------|-------|
| 880-47215-1   | CSW-16-0-3-20240813     | Solid  | 08/13/24 11:00 | 08/14/24 08:00 | 0-3   |
| 880-47215-2   | CSW-16-DUP-0-3-20240813 | Solid  | 08/13/24 11:00 | 08/14/24 08:00 | 0-3   |
| 880-47215-3   | CSW-17-0-3-20240813     | Solid  | 08/13/24 11:08 | 08/14/24 08:00 | 0-3   |
| 880-47215-4   | CSB-010-4.0-20240813    | Solid  | 08/13/24 11:10 | 08/14/24 08:00 | 4.0   |
| 880-47215-5   | CSB-011-4.0-20240813    | Solid  | 08/13/24 12:02 | 08/14/24 08:00 | 4.0   |
| 880-47215-6   | CSB-012-3.0-20240813    | Solid  | 08/13/24 12:06 | 08/14/24 08:00 | 3.0   |
| 880-47215-7   | CSB-013-3.0-20240813    | Solid  | 08/13/24 12:10 | 08/14/24 08:00 | 3.0   |

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## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
 El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5080

## Environment Testing

Work Order

880-47215 Chain of Custody

Page 1 of 1

|                                          |  |                                       |  |
|------------------------------------------|--|---------------------------------------|--|
| Project Manager: <b>BRAD WYNNE</b>       |  | Bill to: (if different)               |  |
| Company Name: <b>AECOM</b>               |  | Company Name:                         |  |
| Address: <b>13355 NDEL RD, STE 400</b>   |  | Address:                              |  |
| City, State ZIP: <b>DALLAS, TX 75240</b> |  | City, State ZIP:                      |  |
| Phone: <b>214-971-1829</b>               |  | Email: <b>bradley_wynne@aecom.com</b> |  |

|                                               |                                                                           |            |                  |  |                                                          |
|-----------------------------------------------|---------------------------------------------------------------------------|------------|------------------|--|----------------------------------------------------------|
| Project Name: <b>Amoco CTR</b>                | Turn Around                                                               | Pres. Code | ANALYSIS REQUEST |  | Preservative Codes                                       |
| Project Number: <b>60734207</b>               | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |            |                  |  | None: NO DI Water: H <sub>2</sub> O                      |
| Project Location: <b>Louise, New Mexico</b>   | Due Date:                                                                 |            |                  |  | Cool: Cool MeOH: Me                                      |
| Sampler's Name: <b>B. Cloud, J. Gutierrez</b> | TAT starts the day received by the lab, if received by 4:30pm             |            |                  |  | HCL: HC HNO <sub>3</sub>                                 |
| PO #:                                         |                                                                           |            |                  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na |

|                                                                                                   |  |                                                                                      |  |                                                                                   |  |
|---------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|
| SAMPLE RECEIPT                                                                                    |  | Temp Blank: Yes (No) <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Wet Ice: Yes (No) <input checked="" type="checkbox"/> No <input type="checkbox"/> |  |
| Samples Received Intact: Yes (No) <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Thermometer ID: <b>118</b>                                                           |  |                                                                                   |  |
| Cooler Custody Seals: Yes (No) <input checked="" type="checkbox"/> No <input type="checkbox"/>    |  | Correction Factor: <b>0.7</b>                                                        |  |                                                                                   |  |
| Sample Custody Seals: Yes (No) <input checked="" type="checkbox"/> No <input type="checkbox"/>    |  | Temperature Reading: <b>0.7</b>                                                      |  |                                                                                   |  |
| Total Containers:                                                                                 |  | Corrected Temperature: <b>0.6</b>                                                    |  |                                                                                   |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|
| CSW-16-0-3-20240813   | Soil   | 8/13/24      | 11:00        | 0-3   | C         | 1         |
| CSW-16-10-3-20240813  | Soil   | 8/13/24      | 11:00        | 0-3   | C         | 1         |
| CSW-17-0-3-20240813   | Soil   | 8/13/24      | 11:08        | 0-3   | C         | 1         |
| CSB-010-4-0-20240813  | Soil   | 8/13/24      | 11:10        | 4-0   | C         | 1         |
| CSB-011-4-0-20240813  | Soil   | 8/13/24      | 12:02        | 4-0   | C         | 1         |
| CSB-012-3-0-20240813  | Soil   | 8/13/24      | 12:06        | 3-0   | C         | 1         |
| CSB-013-3-0-20240813  | Soil   | 8/13/24      | 12:10        | 3-0   | C         | 1         |

|                     |  |
|---------------------|--|
| Sample Comments     |  |
| CHLORIDE - SAME DAY |  |
| BTEX - 2 DAY TAT    |  |
| TPH - 2 DAY TAT     |  |

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |                              |                          |
|------------------------------|--------------------------|------------------------------|--------------------------|
| Relinquished by: (Signature) | Received by: (Signature) | Relinquished by: (Signature) | Received by: (Signature) |
| <i>[Signature]</i>           | <i>[Signature]</i>       | <i>[Signature]</i>           | <i>[Signature]</i>       |
| 3                            | 2                        | 4                            | 6                        |

Revised Date: 08/25/2020 Rev. 2020.2

## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47215-2  
SDG Number: Loving, New Mexico

Login Number: 47215

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/16/2024 1:24:58 PM

## JOB DESCRIPTION

Amoco CTB  
Loving New Mexico

## JOB NUMBER

880-47266-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/16/2024 1:24:58 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47266-1  
SDG: Loving New Mexico

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-1  
SDG: Loving New Mexico

Qualifiers

GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| B         | Compound was found in the blank and sample.                                                                    |
| F1        | MS and/or MSD recovery exceeds control limits.                                                                 |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ▫              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47266-1

**Job ID: 880-47266-1**

**Eurofins Midland**

### Job Narrative 880-47266-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/15/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C.

#### Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: CSB-020-13.0-20240814 (880-47266-16).

#### Diesel Range Organics

Method 8015MOD\_NM: The method blank for preparation batch 880-88485 and analytical batch 880-88459 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-88485 and analytical batch 880-88459 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-1  
SDG: Loving New Mexico

Client Sample ID: CSB-020-13.0-20240814  
Date Collected: 08/14/24 15:18  
Date Received: 08/15/24 08:00  
Sample Depth: 13.0

Lab Sample ID: 880-47266-16  
Matrix: Solid

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH                                                | 55.5   |           | 49.8 | 15.1 | mg/Kg |   |          | 08/15/24 11:12 | 1       |  |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |      |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|--|
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.5     | U         | 49.8     | 14.5 | mg/Kg |   | 08/15/24 09:33 | 08/15/24 11:12 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | 55.5      | F1 B      | 49.8     | 15.1 | mg/Kg |   | 08/15/24 09:33 | 08/15/24 11:12 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 08/15/24 09:33 | 08/15/24 11:12 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 106       |           | 70 - 130 |      |       |   | 08/15/24 09:33 | 08/15/24 11:12 | 1       |  |
| o-Terphenyl                                               | 109       |           | 70 - 130 |      |       |   | 08/15/24 09:33 | 08/15/24 11:12 | 1       |  |



Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-1  
SDG: Loving New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC)  
Matrix: Solid

Prep Type: Total/NA

|                      |                        | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|----------------------|------------------------|------------------------------------------------|----------|--|--|--|--|
| Lab Sample ID        | Client Sample ID       | 1CO1                                           | OTPH1    |  |  |  |  |
|                      |                        | (70-130)                                       | (70-130) |  |  |  |  |
| 880-47266-16         | CSB-020-13.0-20240814  | 106                                            | 109      |  |  |  |  |
| 880-47266-16 MS      | CSB-020-13.0-20240814  | 116                                            | 101      |  |  |  |  |
| 880-47266-16 MSD     | CSB-020-13.0-20240814  | 117                                            | 104      |  |  |  |  |
| LCS 880-88485/2-A    | Lab Control Sample     | 102                                            | 102      |  |  |  |  |
| LCSD 880-88485/3-A   | Lab Control Sample Dup | 116                                            | 104      |  |  |  |  |
| MB 880-88485/1-A     | Method Blank           | 95                                             | 102      |  |  |  |  |
| Surrogate Legend     |                        |                                                |          |  |  |  |  |
| 1CO = 1-Chlorooctane |                        |                                                |          |  |  |  |  |
| OTPH = o-Terphenyl   |                        |                                                |          |  |  |  |  |

## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-1  
SDG: Loving New Mexico

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-88485/1-A

Matrix: Solid

Analysis Batch: 88459

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88485

| Analyte                              | MB<br>Result | MB<br>Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|-----------------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5        | U               | 50.0     | 14.5 | mg/Kg |   | 08/15/24 08:03 | 08/15/24 08:52 | 1       |
| Diesel Range Organics (Over C10-C28) | 15.71        | J               | 50.0     | 15.1 | mg/Kg |   | 08/15/24 08:03 | 08/15/24 08:52 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1        | U               | 50.0     | 15.1 | mg/Kg |   | 08/15/24 08:03 | 08/15/24 08:52 | 1       |
| Surrogate                            | %Recovery    | MB<br>Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 95           |                 | 70 - 130 |      |       |   | 08/15/24 08:03 | 08/15/24 08:52 | 1       |
| o-Terphenyl                          | 102          |                 | 70 - 130 |      |       |   | 08/15/24 08:03 | 08/15/24 08:52 | 1       |

Lab Sample ID: LCS 880-88485/2-A

Matrix: Solid

Analysis Batch: 88459

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88485

| Analyte                              | Spike<br>Added | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|----------------|------------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000           | 935.9            |                  | mg/Kg |   | 94   | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 1000           | 889.8            |                  | mg/Kg |   | 89   | 70 - 130       |
| Surrogate                            | %Recovery      | LCS<br>Qualifier | Limits           |       |   |      |                |
| 1-Chlorooctane                       | 102            |                  | 70 - 130         |       |   |      |                |
| o-Terphenyl                          | 102            |                  | 70 - 130         |       |   |      |                |

Lab Sample ID: LCSD 880-88485/3-A

Matrix: Solid

Analysis Batch: 88459

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 88485

| Analyte                              | Spike<br>Added | LCSD<br>Result    | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|----------------|-------------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000           | 963.2             |                   | mg/Kg |   | 96   | 70 - 130       | 3   | 20           |
| Diesel Range Organics (Over C10-C28) | 1000           | 964.1             |                   | mg/Kg |   | 96   | 70 - 130       | 8   | 20           |
| Surrogate                            | %Recovery      | LCSD<br>Qualifier | Limits            |       |   |      |                |     |              |
| 1-Chlorooctane                       | 116            |                   | 70 - 130          |       |   |      |                |     |              |
| o-Terphenyl                          | 104            |                   | 70 - 130          |       |   |      |                |     |              |

Lab Sample ID: 880-47266-16 MS

Matrix: Solid

Analysis Batch: 88459

Client Sample ID: CSB-020-13.0-20240814

Prep Type: Total/NA

Prep Batch: 88485

| Analyte                              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5            | U                   | 997            | 1120         |                 | mg/Kg |   | 112  | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 55.5             | F1 B                | 997            | 618.7        | F1              | mg/Kg |   | 56   | 70 - 130       |

Eurofins Midland



QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-1  
SDG: Loving New Mexico

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-47266-16 MS  
Matrix: Solid  
Analysis Batch: 88459

Client Sample ID: CSB-020-13.0-20240814  
Prep Type: Total/NA  
Prep Batch: 88485

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 116       |           | 70 - 130 |
| o-Terphenyl    | 101       |           | 70 - 130 |

Lab Sample ID: 880-47266-16 MSD  
Matrix: Solid  
Analysis Batch: 88459

Client Sample ID: CSB-020-13.0-20240814  
Prep Type: Total/NA  
Prep Batch: 88485

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 997         | 1126       |               | mg/Kg |   | 113  | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | 55.5          | F1 B             | 997         | 630.0      | F1            | mg/Kg |   | 58   | 70 - 130    | 2   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 117       |           | 70 - 130 |
| o-Terphenyl    | 104       |           | 70 - 130 |

QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-1  
SDG: Loving New Mexico

GC Semi VOA

Analysis Batch: 88459

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47266-16       | CSB-020-13.0-20240814  | Total/NA  | Solid  | 8015B NM | 88485      |
| MB 880-88485/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 88485      |
| LCS 880-88485/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 88485      |
| LCSD 880-88485/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 88485      |
| 880-47266-16 MS    | CSB-020-13.0-20240814  | Total/NA  | Solid  | 8015B NM | 88485      |
| 880-47266-16 MSD   | CSB-020-13.0-20240814  | Total/NA  | Solid  | 8015B NM | 88485      |

Prep Batch: 88485

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-47266-16       | CSB-020-13.0-20240814  | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-88485/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-88485/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-88485/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47266-16 MS    | CSB-020-13.0-20240814  | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47266-16 MSD   | CSB-020-13.0-20240814  | Total/NA  | Solid  | 8015NM Prep |            |

Analysis Batch: 88659

| Lab Sample ID | Client Sample ID      | Prep Type | Matrix | Method  | Prep Batch |
|---------------|-----------------------|-----------|--------|---------|------------|
| 880-47266-16  | CSB-020-13.0-20240814 | Total/NA  | Solid  | 8015 NM |            |



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-1  
SDG: Loving New Mexico

Client Sample ID: CSB-020-13.0-20240814  
Date Collected: 08/14/24 15:18  
Date Received: 08/15/24 08:00

Lab Sample ID: 880-47266-16  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88659        | 08/15/24 11:12       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 88485        | 08/15/24 09:33       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88459        | 08/15/24 11:12       | SM      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-1  
SDG: Loving New Mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |



Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-1  
SDG: Loving New Mexico

| Method      | Method Description               | Protocol | Laboratory |
|-------------|----------------------------------|----------|------------|
| 8015 NM     | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015NM Prep | Microextraction                  | SW846    | EET MID    |

**Protocol References:**  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-1  
SDG: Loving New Mexico

| Lab Sample ID | Client Sample ID      | Matrix | Collected      | Received       | Depth |
|---------------|-----------------------|--------|----------------|----------------|-------|
| 880-47266-16  | CSB-020-13.0-20240814 | Solid  | 08/14/24 15:18 | 08/15/24 08:00 | 13.0  |

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## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3189  
Little Rock, AR (501) 224-5060

## Environment Testing



Work 880-47266 Chain of Custody

Page 1 of 3

|                                          |  |                                       |  |
|------------------------------------------|--|---------------------------------------|--|
| Project Manager: <b>BRAD WYNNE</b>       |  | Bill to: (if different)               |  |
| Company Name: <b>AECOM</b>               |  | Company Name:                         |  |
| Address: <b>13355 NOEL RD, STE 400</b>   |  | Address:                              |  |
| City, State ZIP: <b>DALLAS, TX 75240</b> |  | City, State ZIP:                      |  |
| Phone: <b>214-971-1829</b>               |  | Email: <b>bradley.wynne@aecom.com</b> |  |

|                                           |  |                                                                           |  |
|-------------------------------------------|--|---------------------------------------------------------------------------|--|
| Project Name: <b>Ameo CTR</b>             |  | Turn Around                                                               |  |
| Project Number: <b>60734207</b>           |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |
| Project Location: <b>Long, New Mexico</b> |  | Due Date:                                                                 |  |
| Sampler's Name: <b>BRENT CLAND</b>        |  | TAT starts the day received by the lab, if received by 4:30pm             |  |
| PO #:                                     |  |                                                                           |  |

| SAMPLE RECEIPT           |  |  |  | Temp Blank:                             |  | Yes                                    |  | No                                      |  | Wet Ice:                               |  | Yes                                     |  | No                                     |  |
|--------------------------|--|--|--|-----------------------------------------|--|----------------------------------------|--|-----------------------------------------|--|----------------------------------------|--|-----------------------------------------|--|----------------------------------------|--|
| Samples Received Intact: |  |  |  | <input checked="" type="checkbox"/> Yes |  | <input checked="" type="checkbox"/> No |  | <input checked="" type="checkbox"/> Yes |  | <input checked="" type="checkbox"/> No |  | <input checked="" type="checkbox"/> Yes |  | <input checked="" type="checkbox"/> No |  |
| Cooler Custody Seals:    |  |  |  | <input checked="" type="checkbox"/> Yes |  | <input checked="" type="checkbox"/> No |  | <input checked="" type="checkbox"/> Yes |  | <input checked="" type="checkbox"/> No |  | <input checked="" type="checkbox"/> Yes |  | <input checked="" type="checkbox"/> No |  |
| Sample Custody Seals:    |  |  |  | <input checked="" type="checkbox"/> Yes |  | <input checked="" type="checkbox"/> No |  | <input checked="" type="checkbox"/> Yes |  | <input checked="" type="checkbox"/> No |  | <input checked="" type="checkbox"/> Yes |  | <input checked="" type="checkbox"/> No |  |
| Total Containers:        |  |  |  | <input checked="" type="checkbox"/> Yes |  | <input checked="" type="checkbox"/> No |  | <input checked="" type="checkbox"/> Yes |  | <input checked="" type="checkbox"/> No |  | <input checked="" type="checkbox"/> Yes |  | <input checked="" type="checkbox"/> No |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Pres. Code | ANALYSIS REQUEST | Preservative Codes                                                | Sample Comments            |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------|------------------|-------------------------------------------------------------------|----------------------------|
| CSB-103-6.0-20240814  | So.1   | 8/14/24      | 14:06        | 6.0   | C         | 1         |            |                  | None: NO                                                          | DI Water: H <sub>2</sub> O |
| CSB-104-6.0-20240814  | So.1   |              | 14:08        | 6.0   | C         | 1         |            |                  | Cool: Cool                                                        | MeOH: Me                   |
| CSB-105-6.0-20240814  | So.1   |              | 14:10        | 6.0   | C         | 1         |            |                  | HCL: HC                                                           | HNO <sub>3</sub>           |
| CSB-108-6.0-20240814  | So.1   |              | 14:12        | 6.0   | C         | 1         |            |                  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| CSB-109-6.0-20240814  | So.1   |              | 14:14        | 6.0   | C         | 1         |            |                  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
| CSB-048-5.0-20240814  | So.1   |              | 14:28        | 5.0   | C         | 1         |            |                  | NaHSO <sub>4</sub> : NABIS                                        |                            |
| CSB-049-5.0-20240814  | So.1   |              | 14:30        | 5.0   | C         | 1         |            |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
| CSB-058-5.0-20240814  | So.1   |              | 14:32        | 5.0   | C         | 1         |            |                  | Zn Acetate+NaOH: Zn                                               |                            |
| CSB-059-6.0-20240814  | So.1   |              | 14:34        | 6.0   | C         | 1         |            |                  | NaOH+Ascorbic Acid: SAPC                                          |                            |
| CSB-068-6.0-20240814  | So.1   |              | 14:38        | 6.0   | C         | 1         |            |                  |                                                                   |                            |

|                                              |                         |                                                |                                                                                               |
|----------------------------------------------|-------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020:           | 8RCRA 13PPM Texas 11                           | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA | Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245.1 / 7470 / 7471                                                                |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| <i>[Signature]</i>           | <i>[Signature]</i>       | 8/15/24 5:00 |                              |                          |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2



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## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
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 EL Paso, TX (915) 565-3443, Lubbock, TX (806) 784-1298  
 Hobbs, NM (575) 382-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5080

## Environment Testing

Work Order No: 47266

Page 2 of 3

|                  |                         |                         |                          |
|------------------|-------------------------|-------------------------|--------------------------|
| Project Manager: | BRAD WYNNE              | Bill to: (if different) |                          |
| Company Name:    | AELCOM                  | Company Name:           |                          |
| Address:         | 13355 NOBEL RD, STE 400 | Address:                |                          |
| City, State ZIP: | DALLAS, TX 75240        | City, State ZIP:        |                          |
| Phone:           | 214-971-1829            | Email:                  | bradley.wynne@aelcom.com |

|                   |                   |                                                               |                                                                           |            |  |
|-------------------|-------------------|---------------------------------------------------------------|---------------------------------------------------------------------------|------------|--|
| Project Name:     | Amoio CTB         | Turn Around                                                   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code |  |
| Project Number:   | 60734207          |                                                               |                                                                           |            |  |
| Project Location: | Leving New Mexico | Due Date:                                                     |                                                                           |            |  |
| Sampler's Name:   | BRENT CLAND       | TAT starts the day received by the lab, if received by 4:30pm |                                                                           |            |  |
| PO #:             |                   |                                                               |                                                                           |            |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | CHI | TD |   |  | Sample Comments |  |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-----|----|---|--|-----------------|--|
| CSB-069-50-20240814   | Soil   | 8/14/24      | 14:38        | 5.0   | C         | 1         | X   |    |   |  |                 |  |
| CSB-077-60-20240814   | Soil   |              | 15:10        | 6.0   | C         | 1         | X   |    |   |  |                 |  |
| CSB-086-60-20240814   | Soil   |              | 15:12        | 6.0   | C         | 1         | X   |    |   |  |                 |  |
| CSB-095-60-20240814   | Soil   |              | 15:14        | 6.0   | C         | 1         | X   |    |   |  |                 |  |
| CSB-017-60-20240814   | Soil   |              | 15:16        | 6.0   | C         | 1         | X   |    |   |  |                 |  |
| CSB-020-130-20240814  | Soil   |              | 15:18        | 13.0  | C         | 1         | X   |    | X |  |                 |  |
| CSB-030-70-20240814   | Soil   |              | 15:34        | 7.0   | C         | 1         | X   |    |   |  |                 |  |
| CSB-060-70-20240814   | Soil   |              | 15:36        | 7.0   | C         | 1         | X   |    |   |  |                 |  |
| CSW-02-0-3-20240814   | Soil   |              | 15:38        | 0-3   | C         | 1         | X   |    |   |  |                 |  |
| CSW-05-0-3-20240814   | Soil   |              | V            | 15:40 | 0-3       | C         | 1   | X  |   |  |                 |  |
|                       |        |              |              |       |           |           |     |    |   |  |                 |  |

|                                              |                                                                                                       |               |                                                                                                                    |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------|
| Total                                        | 200.7 / 6010                                                                                          | 200.8 / 6020: | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SIO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |               |                                                                                                                    |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |                              |                          |              |
|------------------------------|--------------------------|------------------------------|--------------------------|--------------|
| Relinquished by: (Signature) | Received by: (Signature) | Relinquished by: (Signature) | Received by: (Signature) | Date/Time    |
| <i>[Signature]</i>           | <i>[Signature]</i>       | <i>[Signature]</i>           | <i>[Signature]</i>       | 8/15/24 5:00 |
| 3                            |                          |                              |                          | 4            |
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Revised Date: 08/25/2020 Rev. 2020.2





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## Environment Testing

# Chain of Custody

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El Paso, TX (915) 585-3443; Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550; Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5080

**Work Order No:**

47269

LITTLE ROCK, AR (501) 224-5060

Page 3 of 3

[illegible]

## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47266-1  
SDG Number: Loving New Mexico

Login Number: 47266

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne

AECOM

13355 Noel Road

Suite 400

Dallas, Texas 75240

Generated 8/15/2024 5:13:46 PM

## JOB DESCRIPTION

Amoco CTB

Loving New Mexico

## JOB NUMBER

880-47266-2

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/15/2024 5:13:46 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47266-2  
SDG: Loving New Mexico

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-2  
SDG: Loving New Mexico

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47266-2

**Job ID: 880-47266-2**

**Eurofins Midland**

### Job Narrative 880-47266-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/15/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C.

#### Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: CSB-020-13.0-20240814 (880-47266-16).

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-88478 and analytical batch 880-88487 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-2  
SDG: Loving New Mexico

Client Sample ID: CSB-103-6.0-20240814

Lab Sample ID: 880-47266-1

Date Collected: 08/14/24 14:06

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 6.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 698    | F1        | 25.1 | 1.98 | mg/Kg |   |          | 08/15/24 11:23 | 5       |

Client Sample ID: CSB-104-6.0-20240814

Lab Sample ID: 880-47266-2

Date Collected: 08/14/24 14:08

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 6.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 736    |           | 5.05 | 0.399 | mg/Kg |   |          | 08/15/24 12:24 | 1       |

Client Sample ID: CSB-105-6.0-20240814

Lab Sample ID: 880-47266-3

Date Collected: 08/14/24 14:10

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 6.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1150   |           | 25.0 | 1.97 | mg/Kg |   |          | 08/15/24 12:30 | 5       |

Client Sample ID: CSB-108-6.0-20240814

Lab Sample ID: 880-47266-4

Date Collected: 08/14/24 14:12

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 6.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 727    |           | 5.00 | 0.395 | mg/Kg |   |          | 08/15/24 12:36 | 1       |

Client Sample ID: CSB-109-6.0-20240814

Lab Sample ID: 880-47266-5

Date Collected: 08/14/24 14:14

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 6.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 901    |           | 5.01 | 0.396 | mg/Kg |   |          | 08/15/24 12:42 | 1       |

Client Sample ID: CSB-048-5.0-20240814

Lab Sample ID: 880-47266-6

Date Collected: 08/14/24 14:28

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 5.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1020   |           | 4.96 | 0.392 | mg/Kg |   |          | 08/15/24 13:00 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-2  
SDG: Loving New Mexico

Client Sample ID: CSB-049-5.0-20240814

Lab Sample ID: 880-47266-7

Date Collected: 08/14/24 14:30

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 5.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 828    |           | 24.8 | 1.96 | mg/Kg |   |          | 08/15/24 13:06 | 5       |

Client Sample ID: CSB-058-5.0-20240814

Lab Sample ID: 880-47266-8

Date Collected: 08/14/24 14:32

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 5.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1240   |           | 24.9 | 1.97 | mg/Kg |   |          | 08/15/24 13:12 | 5       |

Client Sample ID: CSB-059-6.0-20240814

Lab Sample ID: 880-47266-9

Date Collected: 08/14/24 14:34

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 6.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1190   |           | 5.05 | 0.399 | mg/Kg |   |          | 08/15/24 13:18 | 1       |

Client Sample ID: CSB-068-6.0-20240814

Lab Sample ID: 880-47266-10

Date Collected: 08/14/24 14:36

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 6.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1230   |           | 24.9 | 1.96 | mg/Kg |   |          | 08/15/24 13:24 | 5       |

Client Sample ID: CSB-069-5.0-20240814

Lab Sample ID: 880-47266-11

Date Collected: 08/14/24 14:38

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 5.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1700   | F1        | 25.0 | 1.98 | mg/Kg |   |          | 08/15/24 13:30 | 5       |

Client Sample ID: CSB-077-6.0-20240814

Lab Sample ID: 880-47266-12

Date Collected: 08/14/24 15:10

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 6.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1530   |           | 25.3 | 1.99 | mg/Kg |   |          | 08/15/24 13:48 | 5       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-2  
SDG: Loving New Mexico

Client Sample ID: CSB-086-6.0-20240814

Lab Sample ID: 880-47266-13

Date Collected: 08/14/24 15:12

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 6.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1240   |           | 25.1 | 1.98 | mg/Kg |   |          | 08/15/24 13:54 | 5       |

Client Sample ID: CSB-095-6.0-20240814

Lab Sample ID: 880-47266-14

Date Collected: 08/14/24 15:14

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 6.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1490   |           | 24.8 | 1.96 | mg/Kg |   |          | 08/15/24 14:12 | 5       |

Client Sample ID: CSB-017-6.0-20240814

Lab Sample ID: 880-47266-15

Date Collected: 08/14/24 15:16

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 6.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 377    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/15/24 14:18 | 1       |

Client Sample ID: CSB-020-13.0-20240814

Lab Sample ID: 880-47266-16

Date Collected: 08/14/24 15:18

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 13.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 3450   |           | 25.3 | 1.99 | mg/Kg |   |          | 08/15/24 14:25 | 5       |

Client Sample ID: CSB-030-7.0-20240814

Lab Sample ID: 880-47266-17

Date Collected: 08/14/24 15:34

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 7.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1850   |           | 25.2 | 1.99 | mg/Kg |   |          | 08/15/24 14:31 | 5       |

Client Sample ID: CSB-060-7.0-20240814

Lab Sample ID: 880-47266-18

Date Collected: 08/14/24 15:36

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 7.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 450    |           | 5.03 | 0.397 | mg/Kg |   |          | 08/15/24 14:37 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-2  
SDG: Loving New Mexico

Client Sample ID: CSW-02-0-3-20240814

Lab Sample ID: 880-47266-19

Date Collected: 08/14/24 15:38

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 0-3

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 445    |           | 4.95 | 0.391 | mg/Kg |   |          | 08/15/24 14:43 | 1       |

Client Sample ID: CSW-05-0-3-20240814

Lab Sample ID: 880-47266-20

Date Collected: 08/14/24 15:40

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 0-3

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 760    |           | 4.95 | 0.391 | mg/Kg |   |          | 08/15/24 14:49 | 1       |

Client Sample ID: CSB-011-5.0-20240814

Lab Sample ID: 880-47266-21

Date Collected: 08/14/24 16:26

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 5.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1020   |           | 4.99 | 0.394 | mg/Kg |   |          | 08/15/24 10:29 | 1       |

Client Sample ID: CSB-012-4.0-20240814

Lab Sample ID: 880-47266-22

Date Collected: 08/14/24 16:28

Matrix: Solid

Date Received: 08/15/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1130   |           | 25.0 | 1.98 | mg/Kg |   |          | 08/15/24 10:35 | 5       |

## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-2  
SDG: Loving New Mexico

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-88457/1-A

Matrix: Solid

Analysis Batch: 88476

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/15/24 08:43 | 1       |

Lab Sample ID: LCS 880-88457/2-A

Matrix: Solid

Analysis Batch: 88476

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 262.2         |                  | mg/Kg |   | 105  | 90 - 110       |

Lab Sample ID: LCSD 880-88457/3-A

Matrix: Solid

Analysis Batch: 88476

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 262.5          |                   | mg/Kg |   | 105  | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-47262-A-1-C MS

Matrix: Solid

Analysis Batch: 88476

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 2110             |                     | 1240           | 3450         |                 | mg/Kg |   | 108  | 90 - 110       |

Lab Sample ID: 880-47262-A-1-D MSD

Matrix: Solid

Analysis Batch: 88476

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 2110             |                     | 1240           | 3450          |                  | mg/Kg |   | 108  | 90 - 110       | 0   | 20           |

Lab Sample ID: MB 880-88478/1-A

Matrix: Solid

Analysis Batch: 88487

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/15/24 11:05 | 1       |

Lab Sample ID: LCS 880-88478/2-A

Matrix: Solid

Analysis Batch: 88487

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 254.2         |                  | mg/Kg |   | 102  | 90 - 110       |

Lab Sample ID: LCSD 880-88478/3-A

Matrix: Solid

Analysis Batch: 88487

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 253.9          |                   | mg/Kg |   | 102  | 90 - 110       | 0   | 20           |

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QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-2  
SDG: Loving New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-47266-1 MS

Matrix: Solid

Analysis Batch: 88487

Client Sample ID: CSB-103-6.0-20240814

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
| Chloride | 698           | F1               | 1260        | 2479      | F1           | mg/Kg |   | 142  | 90 - 110    |  |  |

Lab Sample ID: 880-47266-1 MSD

Matrix: Solid

Analysis Batch: 88487

Client Sample ID: CSB-103-6.0-20240814

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 698           | F1               | 1260        | 2482       | F1            | mg/Kg |   | 142  | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-47266-11 MS

Matrix: Solid

Analysis Batch: 88487

Client Sample ID: CSB-069-5.0-20240814

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
| Chloride | 1700          | F1               | 1250        | 2814      | F1           | mg/Kg |   | 89   | 90 - 110    |  |  |

Lab Sample ID: 880-47266-11 MSD

Matrix: Solid

Analysis Batch: 88487

Client Sample ID: CSB-069-5.0-20240814

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 1700          | F1               | 1250        | 2816       |               | mg/Kg |   | 90   | 90 - 110    | 0   | 20        |

## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-2  
SDG: Loving New Mexico

## HPLC/IC

## Leach Batch: 88457

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-47266-21        | CSB-011-5.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-22        | CSB-012-4.0-20240814   | Soluble   | Solid  | DI Leach |            |
| MB 880-88457/1-A    | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-88457/2-A   | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-88457/3-A  | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-47262-A-1-C MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-47262-A-1-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 88476

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-47266-21        | CSB-011-5.0-20240814   | Soluble   | Solid  | 300.0  | 88457      |
| 880-47266-22        | CSB-012-4.0-20240814   | Soluble   | Solid  | 300.0  | 88457      |
| MB 880-88457/1-A    | Method Blank           | Soluble   | Solid  | 300.0  | 88457      |
| LCS 880-88457/2-A   | Lab Control Sample     | Soluble   | Solid  | 300.0  | 88457      |
| LCSD 880-88457/3-A  | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 88457      |
| 880-47262-A-1-C MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 88457      |
| 880-47262-A-1-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 88457      |

## Leach Batch: 88478

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47266-1        | CSB-103-6.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-2        | CSB-104-6.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-3        | CSB-105-6.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-4        | CSB-108-6.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-5        | CSB-109-6.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-6        | CSB-048-5.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-7        | CSB-049-5.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-8        | CSB-058-5.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-9        | CSB-059-6.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-10       | CSB-068-6.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-11       | CSB-069-5.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-12       | CSB-077-6.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-13       | CSB-086-6.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-14       | CSB-095-6.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-15       | CSB-017-6.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-16       | CSB-020-13.0-20240814  | Soluble   | Solid  | DI Leach |            |
| 880-47266-17       | CSB-030-7.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-18       | CSB-060-7.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-19       | CSW-02-0-3-20240814    | Soluble   | Solid  | DI Leach |            |
| 880-47266-20       | CSW-05-0-3-20240814    | Soluble   | Solid  | DI Leach |            |
| MB 880-88478/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-88478/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-88478/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-47266-1 MS     | CSB-103-6.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-1 MSD    | CSB-103-6.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-11 MS    | CSB-069-5.0-20240814   | Soluble   | Solid  | DI Leach |            |
| 880-47266-11 MSD   | CSB-069-5.0-20240814   | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 88487

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method | Prep Batch |
|---------------|----------------------|-----------|--------|--------|------------|
| 880-47266-1   | CSB-103-6.0-20240814 | Soluble   | Solid  | 300.0  | 88478      |

Eurofins Midland



## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-2  
SDG: Loving New Mexico

## HPLC/IC (Continued)

## Analysis Batch: 88487 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-47266-2        | CSB-104-6.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-3        | CSB-105-6.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-4        | CSB-108-6.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-5        | CSB-109-6.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-6        | CSB-048-5.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-7        | CSB-049-5.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-8        | CSB-058-5.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-9        | CSB-059-6.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-10       | CSB-068-6.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-11       | CSB-069-5.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-12       | CSB-077-6.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-13       | CSB-086-6.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-14       | CSB-095-6.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-15       | CSB-017-6.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-16       | CSB-020-13.0-20240814  | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-17       | CSB-030-7.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-18       | CSB-060-7.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-19       | CSW-02-0-3-20240814    | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-20       | CSW-05-0-3-20240814    | Soluble   | Solid  | 300.0  | 88478      |
| MB 880-88478/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 88478      |
| LCS 880-88478/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 88478      |
| LCSD 880-88478/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-1 MS     | CSB-103-6.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-1 MSD    | CSB-103-6.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-11 MS    | CSB-069-5.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |
| 880-47266-11 MSD   | CSB-069-5.0-20240814   | Soluble   | Solid  | 300.0  | 88478      |

Eurofins Midland

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-2  
SDG: Loving New Mexico

Client Sample ID: CSB-103-6.0-20240814

Lab Sample ID: 880-47266-1

Date Collected: 08/14/24 14:06

Matrix: Solid

Date Received: 08/15/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88487        | 08/15/24 11:23       | CH      | EET MID |

Client Sample ID: CSB-104-6.0-20240814

Lab Sample ID: 880-47266-2

Date Collected: 08/14/24 14:08

Matrix: Solid

Date Received: 08/15/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88487        | 08/15/24 12:24       | CH      | EET MID |

Client Sample ID: CSB-105-6.0-20240814

Lab Sample ID: 880-47266-3

Date Collected: 08/14/24 14:10

Matrix: Solid

Date Received: 08/15/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88487        | 08/15/24 12:30       | CH      | EET MID |

Client Sample ID: CSB-108-6.0-20240814

Lab Sample ID: 880-47266-4

Date Collected: 08/14/24 14:12

Matrix: Solid

Date Received: 08/15/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88487        | 08/15/24 12:36       | CH      | EET MID |

Client Sample ID: CSB-109-6.0-20240814

Lab Sample ID: 880-47266-5

Date Collected: 08/14/24 14:14

Matrix: Solid

Date Received: 08/15/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88487        | 08/15/24 12:42       | CH      | EET MID |

Client Sample ID: CSB-048-5.0-20240814

Lab Sample ID: 880-47266-6

Date Collected: 08/14/24 14:28

Matrix: Solid

Date Received: 08/15/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88487        | 08/15/24 13:00       | CH      | EET MID |



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-2  
SDG: Loving New Mexico

Client Sample ID: CSB-049-5.0-20240814

Lab Sample ID: 880-47266-7

Date Collected: 08/14/24 14:30

Matrix: Solid

Date Received: 08/15/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88487        | 08/15/24 13:06       | CH      | EET MID |

Client Sample ID: CSB-058-5.0-20240814

Lab Sample ID: 880-47266-8

Date Collected: 08/14/24 14:32

Matrix: Solid

Date Received: 08/15/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88487        | 08/15/24 13:12       | CH      | EET MID |

Client Sample ID: CSB-059-6.0-20240814

Lab Sample ID: 880-47266-9

Date Collected: 08/14/24 14:34

Matrix: Solid

Date Received: 08/15/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88487        | 08/15/24 13:18       | CH      | EET MID |

Client Sample ID: CSB-068-6.0-20240814

Lab Sample ID: 880-47266-10

Date Collected: 08/14/24 14:36

Matrix: Solid

Date Received: 08/15/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88487        | 08/15/24 13:24       | CH      | EET MID |

Client Sample ID: CSB-069-5.0-20240814

Lab Sample ID: 880-47266-11

Date Collected: 08/14/24 14:38

Matrix: Solid

Date Received: 08/15/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88487        | 08/15/24 13:30       | CH      | EET MID |

Client Sample ID: CSB-077-6.0-20240814

Lab Sample ID: 880-47266-12

Date Collected: 08/14/24 15:10

Matrix: Solid

Date Received: 08/15/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88487        | 08/15/24 13:48       | CH      | EET MID |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-2  
SDG: Loving New Mexico

**Client Sample ID: CSB-086-6.0-20240814****Lab Sample ID: 880-47266-13****Date Collected: 08/14/24 15:12****Matrix: Solid****Date Received: 08/15/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88487        | 08/15/24 13:54       | CH      | EET MID |

**Client Sample ID: CSB-095-6.0-20240814****Lab Sample ID: 880-47266-14****Date Collected: 08/14/24 15:14****Matrix: Solid****Date Received: 08/15/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88487        | 08/15/24 14:12       | CH      | EET MID |

**Client Sample ID: CSB-017-6.0-20240814****Lab Sample ID: 880-47266-15****Date Collected: 08/14/24 15:16****Matrix: Solid****Date Received: 08/15/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88487        | 08/15/24 14:18       | CH      | EET MID |

**Client Sample ID: CSB-020-13.0-20240814****Lab Sample ID: 880-47266-16****Date Collected: 08/14/24 15:18****Matrix: Solid****Date Received: 08/15/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88487        | 08/15/24 14:25       | CH      | EET MID |

**Client Sample ID: CSB-030-7.0-20240814****Lab Sample ID: 880-47266-17****Date Collected: 08/14/24 15:34****Matrix: Solid****Date Received: 08/15/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88487        | 08/15/24 14:31       | CH      | EET MID |

**Client Sample ID: CSB-060-7.0-20240814****Lab Sample ID: 880-47266-18****Date Collected: 08/14/24 15:36****Matrix: Solid****Date Received: 08/15/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88487        | 08/15/24 14:37       | CH      | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-2  
SDG: Loving New Mexico

Client Sample ID: CSW-02-0-3-20240814  
Date Collected: 08/14/24 15:38  
Date Received: 08/15/24 08:00

Lab Sample ID: 880-47266-19  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88487        | 08/15/24 14:43       | CH      | EET MID |

Client Sample ID: CSW-05-0-3-20240814  
Date Collected: 08/14/24 15:40  
Date Received: 08/15/24 08:00

Lab Sample ID: 880-47266-20  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 88478        | 08/15/24 09:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88487        | 08/15/24 14:49       | CH      | EET MID |

Client Sample ID: CSB-011-5.0-20240814  
Date Collected: 08/14/24 16:26  
Date Received: 08/15/24 08:00

Lab Sample ID: 880-47266-21  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 88457        | 08/15/24 09:45       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88476        | 08/15/24 10:29       | CH      | EET MID |

Client Sample ID: CSB-012-4.0-20240814  
Date Collected: 08/14/24 16:28  
Date Received: 08/15/24 08:00

Lab Sample ID: 880-47266-22  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 88457        | 08/15/24 09:45       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88476        | 08/15/24 10:35       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-2  
SDG: Loving New Mexico

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13



Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-2  
SDG: Loving New Mexico

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

- Protocol References:**
- ASTM = ASTM International
  - EPA = US Environmental Protection Agency
- Laboratory References:**
- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47266-2  
SDG: Loving New Mexico

| Lab Sample ID | Client Sample ID      | Matrix | Collected      | Received       | Depth |
|---------------|-----------------------|--------|----------------|----------------|-------|
| 880-47266-1   | CSB-103-6.0-20240814  | Solid  | 08/14/24 14:06 | 08/15/24 08:00 | 6.0   |
| 880-47266-2   | CSB-104-6.0-20240814  | Solid  | 08/14/24 14:08 | 08/15/24 08:00 | 6.0   |
| 880-47266-3   | CSB-105-6.0-20240814  | Solid  | 08/14/24 14:10 | 08/15/24 08:00 | 6.0   |
| 880-47266-4   | CSB-108-6.0-20240814  | Solid  | 08/14/24 14:12 | 08/15/24 08:00 | 6.0   |
| 880-47266-5   | CSB-109-6.0-20240814  | Solid  | 08/14/24 14:14 | 08/15/24 08:00 | 6.0   |
| 880-47266-6   | CSB-048-5.0-20240814  | Solid  | 08/14/24 14:28 | 08/15/24 08:00 | 5.0   |
| 880-47266-7   | CSB-049-5.0-20240814  | Solid  | 08/14/24 14:30 | 08/15/24 08:00 | 5.0   |
| 880-47266-8   | CSB-058-5.0-20240814  | Solid  | 08/14/24 14:32 | 08/15/24 08:00 | 5.0   |
| 880-47266-9   | CSB-059-6.0-20240814  | Solid  | 08/14/24 14:34 | 08/15/24 08:00 | 6.0   |
| 880-47266-10  | CSB-068-6.0-20240814  | Solid  | 08/14/24 14:36 | 08/15/24 08:00 | 6.0   |
| 880-47266-11  | CSB-069-5.0-20240814  | Solid  | 08/14/24 14:38 | 08/15/24 08:00 | 5.0   |
| 880-47266-12  | CSB-077-6.0-20240814  | Solid  | 08/14/24 15:10 | 08/15/24 08:00 | 6.0   |
| 880-47266-13  | CSB-086-6.0-20240814  | Solid  | 08/14/24 15:12 | 08/15/24 08:00 | 6.0   |
| 880-47266-14  | CSB-095-6.0-20240814  | Solid  | 08/14/24 15:14 | 08/15/24 08:00 | 6.0   |
| 880-47266-15  | CSB-017-6.0-20240814  | Solid  | 08/14/24 15:16 | 08/15/24 08:00 | 6.0   |
| 880-47266-16  | CSB-020-13.0-20240814 | Solid  | 08/14/24 15:18 | 08/15/24 08:00 | 13.0  |
| 880-47266-17  | CSB-030-7.0-20240814  | Solid  | 08/14/24 15:34 | 08/15/24 08:00 | 7.0   |
| 880-47266-18  | CSB-060-7.0-20240814  | Solid  | 08/14/24 15:36 | 08/15/24 08:00 | 7.0   |
| 880-47266-19  | CSW-02-0-3-20240814   | Solid  | 08/14/24 15:38 | 08/15/24 08:00 | 0-3   |
| 880-47266-20  | CSW-05-0-3-20240814   | Solid  | 08/14/24 15:40 | 08/15/24 08:00 | 0-3   |
| 880-47266-21  | CSB-011-5.0-20240814  | Solid  | 08/14/24 16:26 | 08/15/24 08:00 | 5.0   |
| 880-47266-22  | CSB-012-4.0-20240814  | Solid  | 08/14/24 16:28 | 08/15/24 08:00 | 4.0   |





## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3189  
Little Rock, AR (501) 224-5060

## Environment Testing



Work 880-47266 Chain of Custody

Page 1 of 3

|                  |  |                        |  |
|------------------|--|------------------------|--|
| Project Manager: |  | BRAD WYNNE             |  |
| Company Name:    |  | AECOM                  |  |
| Address:         |  | 13355 NOEL RD, STE 400 |  |
| City, State ZIP: |  | DALLAS, TX 75240       |  |
| Phone:           |  | 214-971-1829           |  |

|                   |  |                    |  |
|-------------------|--|--------------------|--|
| Project Name:     |  | Amoco CTR          |  |
| Project Number:   |  | 60734207           |  |
| Project Location: |  | Loving, New Mexico |  |
| Sampler's Name:   |  | BRENT CLAND        |  |
| PO #:             |  |                    |  |

|                                                                                           |  |                                                                              |  |
|-------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------|--|
| Turn Around                                                                               |  | Pres. Code                                                                   |  |
| Routine <input type="checkbox"/> Rush <input checked="" type="checkbox"/>                 |  | Cool                                                                         |  |
| Due Date:                                                                                 |  | TAT starts the day received by the lab, if received by 4:30pm                |  |
| Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>           |  | Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  |
| Thermometer ID:                                                                           |  | IRF                                                                          |  |
| Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Correction Factor:                                                           |  |
| Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Temperature Reading: 2.4                                                     |  |
| Total Containers:                                                                         |  | Corrected Temperature: 2.3                                                   |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters             | ANALYSIS REQUEST | Preservative Codes                                                                                                                                                                                                                                                                | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| CSB-103-6.0-20240814  | So.1   | 8/14/24      | 14:06        | 6.0   | C         | 1         | CHLORIDE - SAME LAB BY |                  | None: NO<br>Cool: Cool<br>HCL: HC<br>H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub><br>H <sub>3</sub> PO <sub>4</sub> : HP<br>NaHSO <sub>4</sub> : NABIS<br>Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub><br>Zn Acetate+NaOH: Zn<br>NaOH+Ascorbic Acid: SAPC |                 |
| CSB-104-6.0-20240814  | So.1   |              | 14:08        | 6.0   | C         | 1         |                        |                  |                                                                                                                                                                                                                                                                                   |                 |
| CSB-105-6.0-20240814  | So.1   |              | 14:10        | 6.0   | C         | 1         |                        |                  |                                                                                                                                                                                                                                                                                   |                 |
| CSB-108-6.0-20240814  | So.1   |              | 14:12        | 6.0   | C         | 1         |                        |                  |                                                                                                                                                                                                                                                                                   |                 |
| CSB-109-6.0-20240814  | So.1   |              | 14:14        | 6.0   | C         | 1         |                        |                  |                                                                                                                                                                                                                                                                                   |                 |
| CSB-048-5.0-20240814  | So.1   |              | 14:28        | 5.0   | C         | 1         |                        |                  |                                                                                                                                                                                                                                                                                   |                 |
| CSB-049-5.0-20240814  | So.1   |              | 14:30        | 5.0   | C         | 1         |                        |                  |                                                                                                                                                                                                                                                                                   |                 |
| CSB-058-5.0-20240814  | So.1   |              | 14:32        | 5.0   | C         | 1         |                        |                  |                                                                                                                                                                                                                                                                                   |                 |
| CSB-059-6.0-20240814  | So.1   |              | 14:34        | 6.0   | C         | 1         |                        |                  |                                                                                                                                                                                                                                                                                   |                 |
| CSB-068-6.0-20240814  | So.1   |              | 14:36        | 6.0   | C         | 1         |                        |                  |                                                                                                                                                                                                                                                                                   |                 |

|                                              |               |                                                                                                       |                                                                                               |
|----------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM Texas 11                                                                                  | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |                                                                                               |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |              |                              |                          |           |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i>           | <i>[Signature]</i>       | 8/15/24 5:00 |                              |                          |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2



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## Chain of Custody

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## Environment Testing

Work Order No: 47266

Page 2 of 3

|                  |                         |                         |                          |
|------------------|-------------------------|-------------------------|--------------------------|
| Project Manager: | BRAD WYNNE              | Bill to: (if different) |                          |
| Company Name:    | AELCOM                  | Company Name:           |                          |
| Address:         | 13355 NOBEL RD, STE 400 | Address:                |                          |
| City, State ZIP: | DALLAS, TX 75240        | City, State ZIP:        |                          |
| Phone:           | 214-971-1829            | Email:                  | bradley.wynne@aelcom.com |

|                   |                   |                                                               |                                                                           |
|-------------------|-------------------|---------------------------------------------------------------|---------------------------------------------------------------------------|
| Project Name:     | Amoio CTB         | Turn Around                                                   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |
| Project Number:   | 60734207          |                                                               |                                                                           |
| Project Location: | Leving New Mexico | Due Date:                                                     |                                                                           |
| Sampler's Name:   | BRENT CLAND       | TAT starts the day received by the lab, if received by 4:30pm |                                                                           |
| PO #:             |                   |                                                               |                                                                           |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | Parameters  |          | # of Cont |
|-----------------------|--------|--------------|--------------|-------|-----------|-------------|----------|-----------|
|                       |        |              |              |       |           | Temp Blank: | Wet Ice: |           |
|                       |        | Yes          | No           | Yes   | No        |             |          |           |
| CSB-069-50-20240814   | Soil   | 8/14/24      | 14:38        | 5.0   | C         |             |          | 1         |
| CSB-077-60-20240814   | Soil   |              | 15:10        | 6.0   | C         |             |          | 1         |
| CSB-086-60-20240814   | Soil   |              | 15:12        | 6.0   | C         |             |          | 1         |
| CSB-095-60-20240814   | Soil   |              | 15:14        | 6.0   | C         |             |          | 1         |
| CSB-017-60-20240814   | Soil   |              | 15:16        | 6.0   | C         |             |          | 1         |
| CSB-020-130-20240814  | Soil   |              | 15:18        | 13.0  | C         |             |          | 1         |
| CSB-030-70-20240814   | Soil   |              | 15:34        | 7.0   | C         |             |          | 1         |
| CSB-060-70-20240814   | Soil   |              | 15:36        | 7.0   | C         |             |          | 1         |
| CSW-02-0-3-20240814   | Soil   |              | 15:38        | 0-3   | C         |             |          | 1         |
| CSW-05-0-3-20240814   | Soil   |              | 15:40        | 0-3   | C         |             |          | 1         |

|                                              |                                                                        |                                                                                                                    |
|----------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020:                                                          | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SIO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245.1 / 7470 / 7471                                                                                     |

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|                              |                          |                              |                          |
|------------------------------|--------------------------|------------------------------|--------------------------|
| Relinquished by: (Signature) | Received by: (Signature) | Relinquished by: (Signature) | Received by: (Signature) |
| <i>[Signature]</i>           | <i>[Signature]</i>       | <i>[Signature]</i>           | <i>[Signature]</i>       |
| 3                            | 4                        | 5                            | 6                        |

Revised Date: 08/25/2020 Rev. 2020.2





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## Environment Testing

# Chain of Custody

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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 888-3199  
Little Rock, AR (501) 224-5060

**Work Order No:**

47269

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|                                                 |  |                                                                           |  |                                                                                                                                                                                                      |  |
|-------------------------------------------------|--|---------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Project Manager: BRAD WYNNE                     |  | Bill to: (if different)                                                   |  | Work Order Comments                                                                                                                                                                                  |  |
| Company Name: AECOM                             |  | Company Name:                                                             |  | Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |  |
| Address: 13355 NOEL RD, STE 400                 |  | Address:                                                                  |  | State of Project: <u>NEW MEXICO</u>                                                                                                                                                                  |  |
| City, State ZIP: DALLAS, TX 75240               |  | City, State ZIP:                                                          |  | Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>                     |  |
| Phone: 214-971-1829                             |  | Email: <u>bradley_wynne@aecom.com</u>                                     |  | Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                                          |  |
| Project Name: <u>Ameco CTB</u>                  |  | Turn Around                                                               |  | ANALYSIS REQUEST                                                                                                                                                                                     |  |
| Project Number: <u>60734207</u>                 |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  | Pres. Code                                                                                                                                                                                           |  |
| Project Location: <u>Los Alamos, New Mexico</u> |  | Due Date:                                                                 |  | Parameters                                                                                                                                                                                           |  |
| Sampler's Name: <u>BRENT CLAND</u>              |  | TAT starts the day received by the lab, if received by 4:30pm             |  | Grab/Comp                                                                                                                                                                                            |  |
| PO #:                                           |  | Temp Blank:                                                               |  | Yes No                                                                                                                                                                                               |  |
| SAMPLE RECEIPT                                  |  | Yes No                                                                    |  | Wet Ice: Yes No                                                                                                                                                                                      |  |
| Samples Received Intact:                        |  | Yes No                                                                    |  | Thermometer ID:                                                                                                                                                                                      |  |
| Cooler Custody Seals:                           |  | Yes No N/A                                                                |  | Correction Factor:                                                                                                                                                                                   |  |
| Sample Custody Seals:                           |  | Yes No N/A                                                                |  | Temperature Reading:                                                                                                                                                                                 |  |
| Total Containers:                               |  | Corrected Temperature:                                                    |  | # of Cont                                                                                                                                                                                            |  |
| Sample Identification                           |  | Matrix                                                                    |  | Date Sampled                                                                                                                                                                                         |  |
| Time Sampled                                    |  | Depth                                                                     |  | Grab/Comp                                                                                                                                                                                            |  |
| CSB-011-5.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| CSB-012-4.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| Total Containers:                               |  | Corrected Temperature:                                                    |  | # of Cont                                                                                                                                                                                            |  |
| Sample Identification                           |  | Matrix                                                                    |  | Date Sampled                                                                                                                                                                                         |  |
| Time Sampled                                    |  | Depth                                                                     |  | Grab/Comp                                                                                                                                                                                            |  |
| CSB-011-5.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| CSB-012-4.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| Total Containers:                               |  | Corrected Temperature:                                                    |  | # of Cont                                                                                                                                                                                            |  |
| Sample Identification                           |  | Matrix                                                                    |  | Date Sampled                                                                                                                                                                                         |  |
| Time Sampled                                    |  | Depth                                                                     |  | Grab/Comp                                                                                                                                                                                            |  |
| CSB-011-5.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| CSB-012-4.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| Total Containers:                               |  | Corrected Temperature:                                                    |  | # of Cont                                                                                                                                                                                            |  |
| Sample Identification                           |  | Matrix                                                                    |  | Date Sampled                                                                                                                                                                                         |  |
| Time Sampled                                    |  | Depth                                                                     |  | Grab/Comp                                                                                                                                                                                            |  |
| CSB-011-5.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| CSB-012-4.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| Total Containers:                               |  | Corrected Temperature:                                                    |  | # of Cont                                                                                                                                                                                            |  |
| Sample Identification                           |  | Matrix                                                                    |  | Date Sampled                                                                                                                                                                                         |  |
| Time Sampled                                    |  | Depth                                                                     |  | Grab/Comp                                                                                                                                                                                            |  |
| CSB-011-5.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| CSB-012-4.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| Total Containers:                               |  | Corrected Temperature:                                                    |  | # of Cont                                                                                                                                                                                            |  |
| Sample Identification                           |  | Matrix                                                                    |  | Date Sampled                                                                                                                                                                                         |  |
| Time Sampled                                    |  | Depth                                                                     |  | Grab/Comp                                                                                                                                                                                            |  |
| CSB-011-5.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| CSB-012-4.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| Total Containers:                               |  | Corrected Temperature:                                                    |  | # of Cont                                                                                                                                                                                            |  |
| Sample Identification                           |  | Matrix                                                                    |  | Date Sampled                                                                                                                                                                                         |  |
| Time Sampled                                    |  | Depth                                                                     |  | Grab/Comp                                                                                                                                                                                            |  |
| CSB-011-5.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| CSB-012-4.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| Total Containers:                               |  | Corrected Temperature:                                                    |  | # of Cont                                                                                                                                                                                            |  |
| Sample Identification                           |  | Matrix                                                                    |  | Date Sampled                                                                                                                                                                                         |  |
| Time Sampled                                    |  | Depth                                                                     |  | Grab/Comp                                                                                                                                                                                            |  |
| CSB-011-5.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| CSB-012-4.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| Total Containers:                               |  | Corrected Temperature:                                                    |  | # of Cont                                                                                                                                                                                            |  |
| Sample Identification                           |  | Matrix                                                                    |  | Date Sampled                                                                                                                                                                                         |  |
| Time Sampled                                    |  | Depth                                                                     |  | Grab/Comp                                                                                                                                                                                            |  |
| CSB-011-5.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| CSB-012-4.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| Total Containers:                               |  | Corrected Temperature:                                                    |  | # of Cont                                                                                                                                                                                            |  |
| Sample Identification                           |  | Matrix                                                                    |  | Date Sampled                                                                                                                                                                                         |  |
| Time Sampled                                    |  | Depth                                                                     |  | Grab/Comp                                                                                                                                                                                            |  |
| CSB-011-5.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| CSB-012-4.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| Total Containers:                               |  | Corrected Temperature:                                                    |  | # of Cont                                                                                                                                                                                            |  |
| Sample Identification                           |  | Matrix                                                                    |  | Date Sampled                                                                                                                                                                                         |  |
| Time Sampled                                    |  | Depth                                                                     |  | Grab/Comp                                                                                                                                                                                            |  |
| CSB-011-5.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| CSB-012-4.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| Total Containers:                               |  | Corrected Temperature:                                                    |  | # of Cont                                                                                                                                                                                            |  |
| Sample Identification                           |  | Matrix                                                                    |  | Date Sampled                                                                                                                                                                                         |  |
| Time Sampled                                    |  | Depth                                                                     |  | Grab/Comp                                                                                                                                                                                            |  |
| CSB-011-5.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| CSB-012-4.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| Total Containers:                               |  | Corrected Temperature:                                                    |  | # of Cont                                                                                                                                                                                            |  |
| Sample Identification                           |  | Matrix                                                                    |  | Date Sampled                                                                                                                                                                                         |  |
| Time Sampled                                    |  | Depth                                                                     |  | Grab/Comp                                                                                                                                                                                            |  |
| CSB-011-5.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| CSB-012-4.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| Total Containers:                               |  | Corrected Temperature:                                                    |  | # of Cont                                                                                                                                                                                            |  |
| Sample Identification                           |  | Matrix                                                                    |  | Date Sampled                                                                                                                                                                                         |  |
| Time Sampled                                    |  | Depth                                                                     |  | Grab/Comp                                                                                                                                                                                            |  |
| CSB-011-5.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| CSB-012-4.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| Total Containers:                               |  | Corrected Temperature:                                                    |  | # of Cont                                                                                                                                                                                            |  |
| Sample Identification                           |  | Matrix                                                                    |  | Date Sampled                                                                                                                                                                                         |  |
| Time Sampled                                    |  | Depth                                                                     |  | Grab/Comp                                                                                                                                                                                            |  |
| CSB-011-5.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| CSB-012-4.0-20240814                            |  | So.1                                                                      |  | 8/14/24                                                                                                                                                                                              |  |
| Total Containers:                               |  | Corrected Temperature:                                                    |  | # of Cont                                                                                                                                                                                            |  |
| Sample Identification                           |  | Matrix</                                                                  |  |                                                                                                                                                                                                      |  |

Revised Date: 08/25/2020 Rev: 2020 2

Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47266-2  
SDG Number: Loving New Mexico

Login Number: 47266  
List Number: 1  
Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/19/2024 3:53:44 PM

## JOB DESCRIPTION

Amoco CTB  
Loving, New mexico

## JOB NUMBER

880-47308-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/19/2024 3:53:44 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47308-1  
SDG: Loving, New mexico

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-1  
SDG: Loving, New mexico

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47308-1

**Job ID: 880-47308-1**

**Eurofins Midland**

### Job Narrative 880-47308-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/16/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-003-4.0-20240815 (880-47308-1), CSB-004-4.0-20240815 (880-47308-2), CSW-18-0-2-20240815 (880-47308-3), CSW-18-Dup-0-2-20240815 (880-47308-4), CSW-19-0-2-20240815 (880-47308-5), CSW-09-0-2-20240815 (880-47308-6), CSW-08-0-2-20240815 (880-47308-7) and CSW-07-0-3-20240815 (880-47308-8).

#### GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-88580 recovered above the upper control limit for Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-88580/33).

Method 8021B: Surrogate recovery for the following sample was outside control limits: CSW-19-0-2-20240815 (880-47308-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-88586 and analytical batch 880-88569 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-88586/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-88586 and analytical batch 880-88569 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-1  
SDG: Loving, New Mexico

Client Sample ID: CSB-003-4.0-20240815

Lab Sample ID: 880-47308-1

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00140 | U         | 0.00201 | 0.00140 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 16:44 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | 0.00201 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 16:44 | 1       |
| Ethylbenzene        | <0.00110 | U         | 0.00201 | 0.00110 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 16:44 | 1       |
| m-Xylene & p-Xylene | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 16:44 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00201 | 0.00159 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 16:44 | 1       |
| Xylenes, Total      | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 16:44 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 128       |           | 70 - 130 | 08/16/24 08:19 | 08/16/24 16:44 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 08/16/24 08:19 | 08/16/24 16:44 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   |          | 08/16/24 16:44 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.2  | U         | 50.2 | 15.2 | mg/Kg |   |          | 08/16/24 14:01 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.6  | U         | 50.2 | 14.6 | mg/Kg |   | 08/16/24 13:21 | 08/16/24 14:01 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.2  | U         | 50.2 | 15.2 | mg/Kg |   | 08/16/24 13:21 | 08/16/24 14:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.2  | U         | 50.2 | 15.2 | mg/Kg |   | 08/16/24 13:21 | 08/16/24 14:01 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 93        |           | 70 - 130 | 08/16/24 13:21 | 08/16/24 14:01 | 1       |
| o-Terphenyl    | 101       |           | 70 - 130 | 08/16/24 13:21 | 08/16/24 14:01 | 1       |

Client Sample ID: CSB-004-4.0-20240815

Lab Sample ID: 880-47308-2

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 17:04 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 17:04 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 17:04 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 17:04 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 17:04 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 17:04 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 128       |           | 70 - 130 | 08/16/24 08:19 | 08/16/24 17:04 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 08/16/24 08:19 | 08/16/24 17:04 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-1  
SDG: Loving, New mexico

Client Sample ID: CSB-004-4.0-20240815  
Date Collected: 08/15/24 00:00  
Date Received: 08/16/24 08:00  
Sample Depth: 4.0

Lab Sample ID: 880-47308-2  
Matrix: Solid

| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |         |       |   |          |                |         |
|-----------------------------------------------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Analyte                                             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total BTEX                                          | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg | - |          | 08/16/24 17:04 | 1       |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total TPH                                                | <15.3  | U         | 50.4 | 15.3 | mg/Kg | - |          | 08/16/24 14:21 | 1       |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |      |       |   |                |                |         |
|-----------------------------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.6     | U         | 50.4     | 14.6 | mg/Kg | - | 08/16/24 13:21 | 08/16/24 14:21 | 1       |
| Diesel Range Organics (Over C10-C28)                      | <15.3     | U         | 50.4     | 15.3 | mg/Kg | - | 08/16/24 13:21 | 08/16/24 14:21 | 1       |
| Oil Range Organics (Over C28-C36)                         | <15.3     | U         | 50.4     | 15.3 | mg/Kg | - | 08/16/24 13:21 | 08/16/24 14:21 | 1       |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                                            | 96        |           | 70 - 130 |      |       |   | 08/16/24 13:21 | 08/16/24 14:21 | 1       |
| o-Terphenyl                                               | 105       |           | 70 - 130 |      |       |   | 08/16/24 13:21 | 08/16/24 14:21 | 1       |

Client Sample ID: CSW-18-0-2-20240815  
Date Collected: 08/15/24 00:00  
Date Received: 08/16/24 08:00  
Sample Depth: 0-2

Lab Sample ID: 880-47308-3  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC) |           |           |          |         |       |   |                |                |         |
|-------------------------------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Analyte                                               | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene                                               | <0.00140  | U         | 0.00201  | 0.00140 | mg/Kg | - | 08/16/24 08:19 | 08/16/24 17:25 | 1       |
| Toluene                                               | <0.00201  | U         | 0.00201  | 0.00201 | mg/Kg | - | 08/16/24 08:19 | 08/16/24 17:25 | 1       |
| Ethylbenzene                                          | <0.00109  | U         | 0.00201  | 0.00109 | mg/Kg | - | 08/16/24 08:19 | 08/16/24 17:25 | 1       |
| m-Xylene & p-Xylene                                   | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg | - | 08/16/24 08:19 | 08/16/24 17:25 | 1       |
| o-Xylene                                              | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg | - | 08/16/24 08:19 | 08/16/24 17:25 | 1       |
| Xylenes, Total                                        | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg | - | 08/16/24 08:19 | 08/16/24 17:25 | 1       |
| Surrogate                                             | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)                           | 127       |           | 70 - 130 |         |       |   | 08/16/24 08:19 | 08/16/24 17:25 | 1       |
| 1,4-Difluorobenzene (Surr)                            | 94        |           | 70 - 130 |         |       |   | 08/16/24 08:19 | 08/16/24 17:25 | 1       |

| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |         |       |   |          |                |         |
|-----------------------------------------------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Analyte                                             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total BTEX                                          | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg | - |          | 08/16/24 17:25 | 1       |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total TPH                                                | <15.1  | U         | 50.0 | 15.1 | mg/Kg | - |          | 08/16/24 14:42 | 1       |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |                |                |         |
|-----------------------------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Analyte                                                   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.5  | U         | 50.0 | 14.5 | mg/Kg | - | 08/16/24 13:21 | 08/16/24 14:42 | 1       |
| Diesel Range Organics (Over C10-C28)                      | <15.1  | U         | 50.0 | 15.1 | mg/Kg | - | 08/16/24 13:21 | 08/16/24 14:42 | 1       |
| Oil Range Organics (Over C28-C36)                         | <15.1  | U         | 50.0 | 15.1 | mg/Kg | - | 08/16/24 13:21 | 08/16/24 14:42 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-1  
SDG: Loving, New Mexico

Client Sample ID: CSW-18-0-2-20240815

Lab Sample ID: 880-47308-3

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

Sample Depth: 0-2

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 96        |           | 70 - 130 | 08/16/24 13:21 | 08/16/24 14:42 | 1       |
| o-Terphenyl    | 104       |           | 70 - 130 | 08/16/24 13:21 | 08/16/24 14:42 | 1       |

Client Sample ID: CSW-18-Dup-0-2-20240815

Lab Sample ID: 880-47308-4

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

Sample Depth: 0-2

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 17:46 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 17:46 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 17:46 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 17:46 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 17:46 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 17:46 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 127       |           | 70 - 130 |         |       |   | 08/16/24 08:19 | 08/16/24 17:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 |         |       |   | 08/16/24 08:19 | 08/16/24 17:46 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 08/16/24 17:46 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 08/16/24 15:22 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.8     | 14.5 | mg/Kg |   | 08/16/24 13:21 | 08/16/24 15:22 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 08/16/24 13:21 | 08/16/24 15:22 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 08/16/24 13:21 | 08/16/24 15:22 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 96        |           | 70 - 130 |      |       |   | 08/16/24 13:21 | 08/16/24 15:22 | 1       |
| o-Terphenyl                          | 106       |           | 70 - 130 |      |       |   | 08/16/24 13:21 | 08/16/24 15:22 | 1       |

Client Sample ID: CSW-19-0-2-20240815

Lab Sample ID: 880-47308-5

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

Sample Depth: 0-2

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 18:06 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 18:06 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 18:06 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 18:06 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-1  
SDG: Loving, New mexico

Client Sample ID: CSW-19-0-2-20240815  
Date Collected: 08/15/24 00:00  
Date Received: 08/16/24 08:00  
Sample Depth: 0-2

Lab Sample ID: 880-47308-5  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued) |           |           |          |         |       |   |                |                |         |  |
|-------------------------------------------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|--|
| Analyte                                                           | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| o-Xylene                                                          | <0.00159  | U         | 0.00200  | 0.00159 | mg/Kg | — | 08/16/24 08:19 | 08/16/24 18:06 | 1       |  |
| Xylenes, Total                                                    | <0.00229  | U         | 0.00401  | 0.00229 | mg/Kg | — | 08/16/24 08:19 | 08/16/24 18:06 | 1       |  |
| Surrogate                                                         | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 4-Bromofluorobenzene (Surr)                                       | 132       | S1+       | 70 - 130 |         |       |   | 08/16/24 08:19 | 08/16/24 18:06 | 1       |  |
| 1,4-Difluorobenzene (Surr)                                        | 95        |           | 70 - 130 |         |       |   | 08/16/24 08:19 | 08/16/24 18:06 | 1       |  |
| Method: TAL SOP Total BTEX - Total BTEX Calculation               |           |           |          |         |       |   |                |                |         |  |
| Analyte                                                           | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Total BTEX                                                        | <0.00229  | U         | 0.00401  | 0.00229 | mg/Kg | — |                | 08/16/24 18:06 | 1       |  |
| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)          |           |           |          |         |       |   |                |                |         |  |
| Analyte                                                           | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Total TPH                                                         | <15.0     | U         | 49.6     | 15.0    | mg/Kg | — |                | 08/16/24 15:43 | 1       |  |
| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)         |           |           |          |         |       |   |                |                |         |  |
| Analyte                                                           | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                              | <14.4     | U         | 49.6     | 14.4    | mg/Kg | — | 08/16/24 13:21 | 08/16/24 15:43 | 1       |  |
| Diesel Range Organics (Over C10-C28)                              | <15.0     | U         | 49.6     | 15.0    | mg/Kg | — | 08/16/24 13:21 | 08/16/24 15:43 | 1       |  |
| Oil Range Organics (Over C28-C36)                                 | <15.0     | U         | 49.6     | 15.0    | mg/Kg | — | 08/16/24 13:21 | 08/16/24 15:43 | 1       |  |
| Surrogate                                                         | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                                    | 91        |           | 70 - 130 |         |       |   | 08/16/24 13:21 | 08/16/24 15:43 | 1       |  |
| o-Terphenyl                                                       | 107       |           | 70 - 130 |         |       |   | 08/16/24 13:21 | 08/16/24 15:43 | 1       |  |

## Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-1  
SDG: Loving, New mexico

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID        | Client Sample ID        | BFB1<br>(70-130) | DFBZ1<br>(70-130) |
|----------------------|-------------------------|------------------|-------------------|
| 880-47293-A-11-C MS  | Matrix Spike            | 122              | 92                |
| 880-47293-A-11-D MSD | Matrix Spike Duplicate  | 118              | 92                |
| 880-47308-1          | CSB-003-4.0-20240815    | 128              | 94                |
| 880-47308-2          | CSB-004-4.0-20240815    | 128              | 95                |
| 880-47308-3          | CSW-18-0-2-20240815     | 127              | 94                |
| 880-47308-4          | CSW-18-Dup-0-2-20240815 | 127              | 94                |
| 880-47308-5          | CSW-19-0-2-20240815     | 132 S1+          | 95                |
| LCS 880-88583/1-A    | Lab Control Sample      | 123              | 93                |
| LCSD 880-88583/2-A   | Lab Control Sample Dup  | 118              | 92                |
| MB 880-88583/5-A     | Method Blank            | 119              | 90                |

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID        | 1CO1<br>(70-130) | OTPH1<br>(70-130) |
|---------------------|-------------------------|------------------|-------------------|
| 880-47291-A-2-E MS  | Matrix Spike            | 95               | 91                |
| 880-47291-A-2-F MSD | Matrix Spike Duplicate  | 93               | 89                |
| 880-47308-1         | CSB-003-4.0-20240815    | 93               | 101               |
| 880-47308-2         | CSB-004-4.0-20240815    | 96               | 105               |
| 880-47308-3         | CSW-18-0-2-20240815     | 96               | 104               |
| 880-47308-4         | CSW-18-Dup-0-2-20240815 | 96               | 106               |
| 880-47308-5         | CSW-19-0-2-20240815     | 91               | 107               |
| LCS 880-88586/2-A   | Lab Control Sample      | 120              | 123               |
| LCSD 880-88586/3-A  | Lab Control Sample Dup  | 122              | 146 S1+           |
| MB 880-88586/1-A    | Method Blank            | 119              | 133 S1+           |

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-1  
SDG: Loving, New Mexico

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-88583/5-A

Matrix: Solid

Analysis Batch: 88580

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88583

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139     | U               | 0.00200 | 0.00139 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 11:20 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | 0.00200 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 11:20 | 1       |
| Ethylbenzene        | <0.00109     | U               | 0.00200 | 0.00109 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 11:20 | 1       |
| m-Xylene & p-Xylene | <0.00229     | U               | 0.00400 | 0.00229 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 11:20 | 1       |
| o-Xylene            | <0.00158     | U               | 0.00200 | 0.00158 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 11:20 | 1       |
| Xylenes, Total      | <0.00229     | U               | 0.00400 | 0.00229 | mg/Kg |   | 08/16/24 08:19 | 08/16/24 11:20 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 119             |                 | 70 - 130 | 08/16/24 08:19 | 08/16/24 11:20 | 1       |
| 1,4-Difluorobenzene (Surr)  | 90              |                 | 70 - 130 | 08/16/24 08:19 | 08/16/24 11:20 | 1       |

Lab Sample ID: LCS 880-88583/1-A

Matrix: Solid

Analysis Batch: 88580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88583

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1165        |                  | mg/Kg |   | 116  | 70 - 130       |
| Toluene             | 0.100          | 0.1193        |                  | mg/Kg |   | 119  | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.1195        |                  | mg/Kg |   | 119  | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.2449        |                  | mg/Kg |   | 122  | 70 - 130       |
| o-Xylene            | 0.100          | 0.1208        |                  | mg/Kg |   | 121  | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 123              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 93               |                  | 70 - 130 |

Lab Sample ID: LCSD 880-88583/2-A

Matrix: Solid

Analysis Batch: 88580

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 88583

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1097         |                   | mg/Kg |   | 110  | 70 - 130       | 6   | 35           |
| Toluene             | 0.100          | 0.1124         |                   | mg/Kg |   | 112  | 70 - 130       | 6   | 35           |
| Ethylbenzene        | 0.100          | 0.1124         |                   | mg/Kg |   | 112  | 70 - 130       | 6   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2304         |                   | mg/Kg |   | 115  | 70 - 130       | 6   | 35           |
| o-Xylene            | 0.100          | 0.1136         |                   | mg/Kg |   | 114  | 70 - 130       | 6   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 118               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 92                |                   | 70 - 130 |

Lab Sample ID: 880-47293-A-11-C MS

Matrix: Solid

Analysis Batch: 88580

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 88583

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00140         | U                   | 0.100          | 0.1172       |                 | mg/Kg |   | 117  | 70 - 130       |
| Toluene | <0.00201         | U                   | 0.100          | 0.1205       |                 | mg/Kg |   | 121  | 70 - 130       |

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QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-1  
SDG: Loving, New mexico

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-47293-A-11-C MS  
Matrix: Solid  
Analysis Batch: 88580

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 88583

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene                | <0.00109      | U                | 0.100       | 0.1216    |              | mg/Kg |   | 122  | 70 - 130    |
| m-Xylene & p-Xylene         | <0.00229      | U                | 0.200       | 0.2470    |              | mg/Kg |   | 124  | 70 - 130    |
| o-Xylene                    | <0.00159      | U                | 0.100       | 0.1221    |              | mg/Kg |   | 122  | 70 - 130    |
|                             |               |                  |             |           |              |       |   |      |             |
| Surrogate                   | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |
| 4-Bromofluorobenzene (Surr) | 122           |                  | 70 - 130    |           |              |       |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 92            |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 880-47293-A-11-D MSD  
Matrix: Solid  
Analysis Batch: 88580

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 88583

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene                     | <0.00140      | U                | 0.100       | 0.1163     |               | mg/Kg |   | 116  | 70 - 130    | 1   | 35        |
| Toluene                     | <0.00201      | U                | 0.100       | 0.1192     |               | mg/Kg |   | 119  | 70 - 130    | 1   | 35        |
| Ethylbenzene                | <0.00109      | U                | 0.100       | 0.1199     |               | mg/Kg |   | 120  | 70 - 130    | 1   | 35        |
| m-Xylene & p-Xylene         | <0.00229      | U                | 0.200       | 0.2431     |               | mg/Kg |   | 122  | 70 - 130    | 2   | 35        |
| o-Xylene                    | <0.00159      | U                | 0.100       | 0.1202     |               | mg/Kg |   | 120  | 70 - 130    | 2   | 35        |
|                             |               |                  |             |            |               |       |   |      |             |     |           |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 118           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 92            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-88586/1-A  
Matrix: Solid  
Analysis Batch: 88569

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 88586

| Analyte                              | MB Result    | MB Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5        | U            | 50.0     | 14.5 | mg/Kg |   | 08/16/24 08:00 | 08/16/24 08:29 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1        | U            | 50.0     | 15.1 | mg/Kg |   | 08/16/24 08:00 | 08/16/24 08:29 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1        | U            | 50.0     | 15.1 | mg/Kg |   | 08/16/24 08:00 | 08/16/24 08:29 | 1       |
|                                      |              |              |          |      |       |   |                |                |         |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |      |       |   |                |                |         |
| 1-Chlorooctane                       | 119          |              | 70 - 130 |      |       |   |                |                |         |
| o-Terphenyl                          | 133          | S1+          | 70 - 130 |      |       |   |                |                |         |

Lab Sample ID: LCS 880-88586/2-A  
Matrix: Solid  
Analysis Batch: 88569

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 88586

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1082       |               | mg/Kg |   | 108  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1106       |               | mg/Kg |   | 111  | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-1  
SDG: Loving, New mexico

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-88586/2-A

Matrix: Solid

Analysis Batch: 88569

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88586

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 120       |           | 70 - 130 |
| o-Terphenyl    | 123       |           | 70 - 130 |

Lab Sample ID: LCSD 880-88586/3-A

Matrix: Solid

Analysis Batch: 88569

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 88586

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1178        |                | mg/Kg |   | 118  | 70 - 130    | 9   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1180        |                | mg/Kg |   | 118  | 70 - 130    | 6   | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 122       |           | 70 - 130 |
| o-Terphenyl    | 146       | S1+       | 70 - 130 |

Lab Sample ID: 880-47291-A-2-E MS

Matrix: Solid

Analysis Batch: 88569

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 88586

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 1000        | 1204      |              | mg/Kg |   | 120  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <15.1         | U F1             | 1000        | 630.6     | F1           | mg/Kg |   | 63   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 95        |           | 70 - 130 |
| o-Terphenyl    | 91        |           | 70 - 130 |

Lab Sample ID: 880-47291-A-2-F MSD

Matrix: Solid

Analysis Batch: 88569

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 88586

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 1000        | 1181       |               | mg/Kg |   | 118  | 70 - 130    | 2   | 20        |
| Diesel Range Organics (Over C10-C28) | <15.1         | U F1             | 1000        | 614.3      | F1            | mg/Kg |   | 61   | 70 - 130    | 3   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 93        |           | 70 - 130 |
| o-Terphenyl    | 89        |           | 70 - 130 |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-1  
SDG: Loving, New mexico

## GC VOA

## Analysis Batch: 88580

| Lab Sample ID        | Client Sample ID        | Prep Type | Matrix | Method | Prep Batch |
|----------------------|-------------------------|-----------|--------|--------|------------|
| 880-47308-1          | CSB-003-4.0-20240815    | Total/NA  | Solid  | 8021B  | 88583      |
| 880-47308-2          | CSB-004-4.0-20240815    | Total/NA  | Solid  | 8021B  | 88583      |
| 880-47308-3          | CSW-18-0-2-20240815     | Total/NA  | Solid  | 8021B  | 88583      |
| 880-47308-4          | CSW-18-Dup-0-2-20240815 | Total/NA  | Solid  | 8021B  | 88583      |
| 880-47308-5          | CSW-19-0-2-20240815     | Total/NA  | Solid  | 8021B  | 88583      |
| MB 880-88583/5-A     | Method Blank            | Total/NA  | Solid  | 8021B  | 88583      |
| LCS 880-88583/1-A    | Lab Control Sample      | Total/NA  | Solid  | 8021B  | 88583      |
| LCSD 880-88583/2-A   | Lab Control Sample Dup  | Total/NA  | Solid  | 8021B  | 88583      |
| 880-47293-A-11-C MS  | Matrix Spike            | Total/NA  | Solid  | 8021B  | 88583      |
| 880-47293-A-11-D MSD | Matrix Spike Duplicate  | Total/NA  | Solid  | 8021B  | 88583      |

## Prep Batch: 88583

| Lab Sample ID        | Client Sample ID        | Prep Type | Matrix | Method | Prep Batch |
|----------------------|-------------------------|-----------|--------|--------|------------|
| 880-47308-1          | CSB-003-4.0-20240815    | Total/NA  | Solid  | 5035   |            |
| 880-47308-2          | CSB-004-4.0-20240815    | Total/NA  | Solid  | 5035   |            |
| 880-47308-3          | CSW-18-0-2-20240815     | Total/NA  | Solid  | 5035   |            |
| 880-47308-4          | CSW-18-Dup-0-2-20240815 | Total/NA  | Solid  | 5035   |            |
| 880-47308-5          | CSW-19-0-2-20240815     | Total/NA  | Solid  | 5035   |            |
| MB 880-88583/5-A     | Method Blank            | Total/NA  | Solid  | 5035   |            |
| LCS 880-88583/1-A    | Lab Control Sample      | Total/NA  | Solid  | 5035   |            |
| LCSD 880-88583/2-A   | Lab Control Sample Dup  | Total/NA  | Solid  | 5035   |            |
| 880-47293-A-11-C MS  | Matrix Spike            | Total/NA  | Solid  | 5035   |            |
| 880-47293-A-11-D MSD | Matrix Spike Duplicate  | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 88823

| Lab Sample ID | Client Sample ID        | Prep Type | Matrix | Method     | Prep Batch |
|---------------|-------------------------|-----------|--------|------------|------------|
| 880-47308-1   | CSB-003-4.0-20240815    | Total/NA  | Solid  | Total BTEX |            |
| 880-47308-2   | CSB-004-4.0-20240815    | Total/NA  | Solid  | Total BTEX |            |
| 880-47308-3   | CSW-18-0-2-20240815     | Total/NA  | Solid  | Total BTEX |            |
| 880-47308-4   | CSW-18-Dup-0-2-20240815 | Total/NA  | Solid  | Total BTEX |            |
| 880-47308-5   | CSW-19-0-2-20240815     | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 88586

| Lab Sample ID       | Client Sample ID        | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|-------------------------|-----------|--------|----------|------------|
| 880-47308-1         | CSB-003-4.0-20240815    | Total/NA  | Solid  | 8015B NM | 88586      |
| 880-47308-2         | CSB-004-4.0-20240815    | Total/NA  | Solid  | 8015B NM | 88586      |
| 880-47308-3         | CSW-18-0-2-20240815     | Total/NA  | Solid  | 8015B NM | 88586      |
| 880-47308-4         | CSW-18-Dup-0-2-20240815 | Total/NA  | Solid  | 8015B NM | 88586      |
| 880-47308-5         | CSW-19-0-2-20240815     | Total/NA  | Solid  | 8015B NM | 88586      |
| MB 880-88586/1-A    | Method Blank            | Total/NA  | Solid  | 8015B NM | 88586      |
| LCS 880-88586/2-A   | Lab Control Sample      | Total/NA  | Solid  | 8015B NM | 88586      |
| LCSD 880-88586/3-A  | Lab Control Sample Dup  | Total/NA  | Solid  | 8015B NM | 88586      |
| 880-47291-A-2-E MS  | Matrix Spike            | Total/NA  | Solid  | 8015B NM | 88586      |
| 880-47291-A-2-F MSD | Matrix Spike Duplicate  | Total/NA  | Solid  | 8015B NM | 88586      |

## Prep Batch: 88586

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method      | Prep Batch |
|---------------|----------------------|-----------|--------|-------------|------------|
| 880-47308-1   | CSB-003-4.0-20240815 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47308-2   | CSB-004-4.0-20240815 | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Midland



QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-1  
SDG: Loving, New mexico

GC Semi VOA (Continued)

Prep Batch: 88586 (Continued)

| Lab Sample ID       | Client Sample ID        | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|-------------------------|-----------|--------|-------------|------------|
| 880-47308-3         | CSW-18-0-2-20240815     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47308-4         | CSW-18-Dup-0-2-20240815 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47308-5         | CSW-19-0-2-20240815     | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-88586/1-A    | Method Blank            | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-88586/2-A   | Lab Control Sample      | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-88586/3-A  | Lab Control Sample Dup  | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47291-A-2-E MS  | Matrix Spike            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47291-A-2-F MSD | Matrix Spike Duplicate  | Total/NA  | Solid  | 8015NM Prep |            |

Analysis Batch: 88689

| Lab Sample ID | Client Sample ID        | Prep Type | Matrix | Method  | Prep Batch |
|---------------|-------------------------|-----------|--------|---------|------------|
| 880-47308-1   | CSB-003-4.0-20240815    | Total/NA  | Solid  | 8015 NM |            |
| 880-47308-2   | CSB-004-4.0-20240815    | Total/NA  | Solid  | 8015 NM |            |
| 880-47308-3   | CSW-18-0-2-20240815     | Total/NA  | Solid  | 8015 NM |            |
| 880-47308-4   | CSW-18-Dup-0-2-20240815 | Total/NA  | Solid  | 8015 NM |            |
| 880-47308-5   | CSW-19-0-2-20240815     | Total/NA  | Solid  | 8015 NM |            |

## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-1  
SDG: Loving, New mexico

Client Sample ID: CSB-003-4.0-20240815

Lab Sample ID: 880-47308-1

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 88583        | 08/16/24 08:19       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88580        | 08/16/24 16:44       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88823        | 08/16/24 16:44       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88689        | 08/16/24 14:01       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.96 g         | 10 mL        | 88586        | 08/16/24 13:21       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88569        | 08/16/24 14:01       | SM      | EET MID |

Client Sample ID: CSB-004-4.0-20240815

Lab Sample ID: 880-47308-2

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 88583        | 08/16/24 08:19       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88580        | 08/16/24 17:04       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88823        | 08/16/24 17:04       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88689        | 08/16/24 14:21       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.92 g         | 10 mL        | 88586        | 08/16/24 13:21       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88569        | 08/16/24 14:21       | SM      | EET MID |

Client Sample ID: CSW-18-0-2-20240815

Lab Sample ID: 880-47308-3

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 88583        | 08/16/24 08:19       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88580        | 08/16/24 17:25       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88823        | 08/16/24 17:25       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88689        | 08/16/24 14:42       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 88586        | 08/16/24 13:21       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88569        | 08/16/24 14:42       | SM      | EET MID |

Client Sample ID: CSW-18-Dup-0-2-20240815

Lab Sample ID: 880-47308-4

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 88583        | 08/16/24 08:19       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88580        | 08/16/24 17:46       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88823        | 08/16/24 17:46       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88689        | 08/16/24 15:22       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 88586        | 08/16/24 13:21       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88569        | 08/16/24 15:22       | SM      | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-1  
SDG: Loving, New mexico

Client Sample ID: CSW-19-0-2-20240815  
Date Collected: 08/15/24 00:00  
Date Received: 08/16/24 08:00

Lab Sample ID: 880-47308-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 88583        | 08/16/24 08:19       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 88580        | 08/16/24 18:06       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 88823        | 08/16/24 18:06       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 88689        | 08/16/24 15:43       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.09 g        | 10 mL        | 88586        | 08/16/24 13:21       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 88569        | 08/16/24 15:43       | SM      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-1  
SDG: Loving, New mexico

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |



Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-1  
SDG: Loving, New mexico

| Method      | Method Description               | Protocol | Laboratory |
|-------------|----------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)  | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation           | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 5035        | Closed System Purge and Trap     | SW846    | EET MID    |
| 8015NM Prep | Microextraction                  | SW846    | EET MID    |

**Protocol References:**  
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

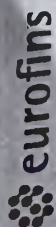
Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-1  
SDG: Loving, New mexico

| Lab Sample ID | Client Sample ID        | Matrix | Collected      | Received       | Depth |
|---------------|-------------------------|--------|----------------|----------------|-------|
| 880-47308-1   | CSB-003-4.0-20240815    | Solid  | 08/15/24 00:00 | 08/16/24 08:00 | 4.0   |
| 880-47308-2   | CSB-004-4.0-20240815    | Solid  | 08/15/24 00:00 | 08/16/24 08:00 | 4.0   |
| 880-47308-3   | CSW-18-0-2-20240815     | Solid  | 08/15/24 00:00 | 08/16/24 08:00 | 0-2   |
| 880-47308-4   | CSW-18-Dup-0-2-20240815 | Solid  | 08/15/24 00:00 | 08/16/24 08:00 | 0-2   |
| 880-47308-5   | CSW-19-0-2-20240815     | Solid  | 08/15/24 00:00 | 08/16/24 08:00 | 0-2   |

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- 12
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- 14





## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-6440, San Antonio, TX (210) 508-3334  
 El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1298  
 Hobbs, NM (575) 382-7550, Carlsbad, NM (575) 988-3198  
 Little Rock, AR (501) 224-5060

## Environment Testing



Wor

880-47308 Chain of Custody

Page 1 of 1

|                                          |  |                                       |  |
|------------------------------------------|--|---------------------------------------|--|
| Project Manager: <b>BRAD WYNNE</b>       |  | Bill to: (if different)               |  |
| Company Name: <b>AECOM</b>               |  | Company Name:                         |  |
| Address: <b>13355 NOEL RD, STE. 400</b>  |  | Address:                              |  |
| City, State ZIP: <b>DALLAS, TX 75240</b> |  | City, State ZIP:                      |  |
| Phone: <b>214-971-1829</b>               |  | Email: <b>bradley.wynne@aecom.com</b> |  |

|                                            |  |                                                                           |  |
|--------------------------------------------|--|---------------------------------------------------------------------------|--|
| Project Name: <b>Amoco CTB</b>             |  | Turn Around                                                               |  |
| Project Number: <b>60734207</b>            |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |
| Project Location: <b>Levi's New Mexico</b> |  | Due Date:                                                                 |  |
| Sampler's Name: <b>BRENT CLAND</b>         |  | TAT starts the day received by the lab, if received by 4:30pm             |  |
| PO #:                                      |  |                                                                           |  |

|                                                                            |  |                                                              |  |                                                           |  |
|----------------------------------------------------------------------------|--|--------------------------------------------------------------|--|-----------------------------------------------------------|--|
| SAMPLE RECEIPT                                                             |  | Temp Blank: Yes (No) <input checked="" type="checkbox"/> ( ) |  | Wet los: Yes (No) <input checked="" type="checkbox"/> ( ) |  |
| Samples Received In tact: Yes (No) <input checked="" type="checkbox"/> ( ) |  | Thermometer ID: <b>185</b>                                   |  |                                                           |  |
| Foster Custody Seals: Yes (No) <input checked="" type="checkbox"/> ( )     |  | Correction Factor: <b>3.1</b>                                |  |                                                           |  |
| Sample Custody Seals: Yes (No) <input checked="" type="checkbox"/> ( )     |  | Temperature Reading: <b>3.0</b>                              |  |                                                           |  |
| Total Containers:                                                          |  | Corrected Temperature: <b>3.0</b>                            |  |                                                           |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters          | Preservative Codes                                                | Sample Comments            |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|---------------------|-------------------------------------------------------------------|----------------------------|
| CSB-003-410-20240815  | Soil   | 8/15/24      | 13:46        | 4.0   | C         | 1         | CHLORIDE - SAME TAT | None: NO                                                          | DI Water: H <sub>2</sub> O |
| CSB-004-410-20240815  | Soil   |              | 13:48        | 4.0   | C         | 1         | BTEX - 3 DAY TAT    | Cool: Cool                                                        | MeOH: Me                   |
| CSW-18-0-2-20240815   | Soil   |              | 13:50        | 0-2   | C         | 1         | TPH - 3 DAY TAT     | HCL: HC                                                           | HNO <sub>3</sub>           |
| CSW-18-0-2-20240815   | Soil   |              | 13:50        | 0-2   | C         | 1         |                     | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| CSW-19-0-2-20240815   | Soil   |              | 13:52        | 0-2   | C         | 1         |                     | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
| CSW-09-0-2-20240815   | Soil   |              | 15:40        | 0-2   | C         | 1         |                     | NaHSO <sub>4</sub> : NABIS                                        |                            |
| CSW-08-0-2-20240815   | Soil   |              | 15:42        | 0-2   | C         | 1         |                     | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
| CSW-07-0-3-20240815   | Soil   |              | 15:44        | 0-3   | C         | 1         |                     | Zn Acetate+NaOH: Zn                                               |                            |
|                       |        |              |              |       |           |           |                     | NaOH+Ascorbic Add: SAPC                                           |                            |

|                                                                                                                                                     |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |  |
| Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471  |  |

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$8 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be entered unless previously negotiated.

|                              |                          |           |                              |                          |           |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>Brad Wynne</i>            | <i>[Signature]</i>       | 8/15/24   |                              |                          |           |
| 3                            |                          | 4         |                              |                          |           |
| 6                            |                          | 6         |                              |                          |           |

Revised Date: 08/28/2020 Rev. 2020.3

Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47308-1  
SDG Number: Loving, New mexico

Login Number: 47308  
List Number: 1  
Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400

Dallas, Texas 75240

Generated 8/16/2024 7:04:13 PM

## JOB DESCRIPTION

Amoco CTB  
Loving, New mexico

## JOB NUMBER

880-47308-2

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/16/2024 7:04:13 PM

Authorized for release by  
Jessica Kramer, Project Manager  
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(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47308-2  
SDG: Loving, New mexico

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-2  
SDG: Loving, New mexico

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47308-2

**Job ID: 880-47308-2**

**Eurofins Midland**

### Job Narrative 880-47308-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/16/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-003-4.0-20240815 (880-47308-1), CSB-004-4.0-20240815 (880-47308-2), CSW-18-0-2-20240815 (880-47308-3), CSW-18-Dup-0-2-20240815 (880-47308-4), CSW-19-0-2-20240815 (880-47308-5), CSW-09-0-2-20240815 (880-47308-6), CSW-08-0-2-20240815 (880-47308-7) and CSW-07-0-3-20240815 (880-47308-8).

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-88608 and analytical batch 880-88623 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: CSB-003-4.0-20240815 (880-47308-1), CSB-004-4.0-20240815 (880-47308-2), CSW-18-0-2-20240815 (880-47308-3), CSW-18-Dup-0-2-20240815 (880-47308-4), CSW-19-0-2-20240815 (880-47308-5), CSW-09-0-2-20240815 (880-47308-6), CSW-08-0-2-20240815 (880-47308-7), CSW-07-0-3-20240815 (880-47308-8), (880-47308-A-1-B MS) and (880-47308-A-1-C MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-2  
SDG: Loving, New mexico

Client Sample ID: CSB-003-4.0-20240815

Lab Sample ID: 880-47308-1

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 586    | F1        | 4.97 | 0.393 | mg/Kg |   |          | 08/16/24 15:12 | 1       |

Client Sample ID: CSB-004-4.0-20240815

Lab Sample ID: 880-47308-2

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 579    |           | 4.97 | 0.393 | mg/Kg |   |          | 08/16/24 15:30 | 1       |

Client Sample ID: CSW-18-0-2-20240815

Lab Sample ID: 880-47308-3

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

Sample Depth: 0-2

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 654    |           | 4.96 | 0.392 | mg/Kg |   |          | 08/16/24 15:36 | 1       |

Client Sample ID: CSW-18-Dup-0-2-20240815

Lab Sample ID: 880-47308-4

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

Sample Depth: 0-2

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 666    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/16/24 15:42 | 1       |

Client Sample ID: CSW-19-0-2-20240815

Lab Sample ID: 880-47308-5

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

Sample Depth: 0-2

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1020   |           | 5.05 | 0.399 | mg/Kg |   |          | 08/16/24 15:48 | 1       |

Client Sample ID: CSW-09-0-2-20240815

Lab Sample ID: 880-47308-6

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

Sample Depth: 0-2

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1740   |           | 25.2 | 1.99 | mg/Kg |   |          | 08/16/24 16:06 | 5       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-2  
SDG: Loving, New mexico

Client Sample ID: CSW-08-0-2-20240815  
Date Collected: 08/15/24 00:00  
Date Received: 08/16/24 08:00  
Sample Depth: 0-2

Lab Sample ID: 880-47308-7  
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1660   |           | 25.1 | 1.98 | mg/Kg |   |          | 08/16/24 16:12 | 5       |

Client Sample ID: CSW-07-0-3-20240815  
Date Collected: 08/15/24 00:00  
Date Received: 08/16/24 08:00  
Sample Depth: 0-3

Lab Sample ID: 880-47308-8  
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1070   |           | 24.8 | 1.96 | mg/Kg |   |          | 08/16/24 16:18 | 5       |

## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-2  
SDG: Loving, New mexico

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-88608/1-A

Matrix: Solid

Analysis Batch: 88623

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/16/24 14:54 | 1       |

Lab Sample ID: LCS 880-88608/2-A

Matrix: Solid

Analysis Batch: 88623

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 243.0         |                  | mg/Kg |   | 97   | 90 - 110       |

Lab Sample ID: LCSD 880-88608/3-A

Matrix: Solid

Analysis Batch: 88623

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 242.6          |                   | mg/Kg |   | 97   | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-47308-1 MS

Matrix: Solid

Analysis Batch: 88623

Client Sample ID: CSB-003-4.0-20240815

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 586              | F1                  | 249            | 795.7        | F1              | mg/Kg |   | 85   | 90 - 110       |

Lab Sample ID: 880-47308-1 MSD

Matrix: Solid

Analysis Batch: 88623

Client Sample ID: CSB-003-4.0-20240815

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 586              | F1                  | 249            | 795.8         | F1               | mg/Kg |   | 85   | 90 - 110       | 0   | 20           |

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QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-2  
SDG: Loving, New mexico

HPLC/IC

Leach Batch: 88608

| Lab Sample ID      | Client Sample ID        | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|-------------------------|-----------|--------|----------|------------|
| 880-47308-1        | CSB-003-4.0-20240815    | Soluble   | Solid  | DI Leach |            |
| 880-47308-2        | CSB-004-4.0-20240815    | Soluble   | Solid  | DI Leach |            |
| 880-47308-3        | CSW-18-0-2-20240815     | Soluble   | Solid  | DI Leach |            |
| 880-47308-4        | CSW-18-Dup-0-2-20240815 | Soluble   | Solid  | DI Leach |            |
| 880-47308-5        | CSW-19-0-2-20240815     | Soluble   | Solid  | DI Leach |            |
| 880-47308-6        | CSW-09-0-2-20240815     | Soluble   | Solid  | DI Leach |            |
| 880-47308-7        | CSW-08-0-2-20240815     | Soluble   | Solid  | DI Leach |            |
| 880-47308-8        | CSW-07-0-3-20240815     | Soluble   | Solid  | DI Leach |            |
| MB 880-88608/1-A   | Method Blank            | Soluble   | Solid  | DI Leach |            |
| LCS 880-88608/2-A  | Lab Control Sample      | Soluble   | Solid  | DI Leach |            |
| LCSD 880-88608/3-A | Lab Control Sample Dup  | Soluble   | Solid  | DI Leach |            |
| 880-47308-1 MS     | CSB-003-4.0-20240815    | Soluble   | Solid  | DI Leach |            |
| 880-47308-1 MSD    | CSB-003-4.0-20240815    | Soluble   | Solid  | DI Leach |            |

Analysis Batch: 88623

| Lab Sample ID      | Client Sample ID        | Prep Type | Matrix | Method | Prep Batch |
|--------------------|-------------------------|-----------|--------|--------|------------|
| 880-47308-1        | CSB-003-4.0-20240815    | Soluble   | Solid  | 300.0  | 88608      |
| 880-47308-2        | CSB-004-4.0-20240815    | Soluble   | Solid  | 300.0  | 88608      |
| 880-47308-3        | CSW-18-0-2-20240815     | Soluble   | Solid  | 300.0  | 88608      |
| 880-47308-4        | CSW-18-Dup-0-2-20240815 | Soluble   | Solid  | 300.0  | 88608      |
| 880-47308-5        | CSW-19-0-2-20240815     | Soluble   | Solid  | 300.0  | 88608      |
| 880-47308-6        | CSW-09-0-2-20240815     | Soluble   | Solid  | 300.0  | 88608      |
| 880-47308-7        | CSW-08-0-2-20240815     | Soluble   | Solid  | 300.0  | 88608      |
| 880-47308-8        | CSW-07-0-3-20240815     | Soluble   | Solid  | 300.0  | 88608      |
| MB 880-88608/1-A   | Method Blank            | Soluble   | Solid  | 300.0  | 88608      |
| LCS 880-88608/2-A  | Lab Control Sample      | Soluble   | Solid  | 300.0  | 88608      |
| LCSD 880-88608/3-A | Lab Control Sample Dup  | Soluble   | Solid  | 300.0  | 88608      |
| 880-47308-1 MS     | CSB-003-4.0-20240815    | Soluble   | Solid  | 300.0  | 88608      |
| 880-47308-1 MSD    | CSB-003-4.0-20240815    | Soluble   | Solid  | 300.0  | 88608      |

## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-2  
SDG: Loving, New mexico

Client Sample ID: CSB-003-4.0-20240815

Lab Sample ID: 880-47308-1

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 88608        | 08/16/24 10:02       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88623        | 08/16/24 15:12       | SMC     | EET MID |

Client Sample ID: CSB-004-4.0-20240815

Lab Sample ID: 880-47308-2

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 88608        | 08/16/24 10:02       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88623        | 08/16/24 15:30       | SMC     | EET MID |

Client Sample ID: CSW-18-0-2-20240815

Lab Sample ID: 880-47308-3

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 88608        | 08/16/24 10:02       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88623        | 08/16/24 15:36       | SMC     | EET MID |

Client Sample ID: CSW-18-Dup-0-2-20240815

Lab Sample ID: 880-47308-4

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 88608        | 08/16/24 10:02       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88623        | 08/16/24 15:42       | SMC     | EET MID |

Client Sample ID: CSW-19-0-2-20240815

Lab Sample ID: 880-47308-5

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 88608        | 08/16/24 10:02       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88623        | 08/16/24 15:48       | SMC     | EET MID |

Client Sample ID: CSW-09-0-2-20240815

Lab Sample ID: 880-47308-6

Date Collected: 08/15/24 00:00

Matrix: Solid

Date Received: 08/16/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 88608        | 08/16/24 10:02       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88623        | 08/16/24 16:06       | SMC     | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-2  
SDG: Loving, New mexico

Client Sample ID: CSW-08-0-2-20240815  
Date Collected: 08/15/24 00:00  
Date Received: 08/16/24 08:00

Lab Sample ID: 880-47308-7  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 88608        | 08/16/24 10:02       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88623        | 08/16/24 16:12       | SMC     | EET MID |

Client Sample ID: CSW-07-0-3-20240815  
Date Collected: 08/15/24 00:00  
Date Received: 08/16/24 08:00

Lab Sample ID: 880-47308-8  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 88608        | 08/16/24 10:02       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88623        | 08/16/24 16:18       | SMC     | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-2  
SDG: Loving, New mexico

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

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Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-2  
SDG: Loving, New mexico

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

- Protocol References:**
- ASTM = ASTM International
  - EPA = US Environmental Protection Agency
- Laboratory References:**
- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

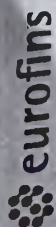
Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47308-2  
SDG: Loving, New mexico

| Lab Sample ID | Client Sample ID        | Matrix | Collected      | Received       | Depth |
|---------------|-------------------------|--------|----------------|----------------|-------|
| 880-47308-1   | CSB-003-4.0-20240815    | Solid  | 08/15/24 00:00 | 08/16/24 08:00 | 4.0   |
| 880-47308-2   | CSB-004-4.0-20240815    | Solid  | 08/15/24 00:00 | 08/16/24 08:00 | 4.0   |
| 880-47308-3   | CSW-18-0-2-20240815     | Solid  | 08/15/24 00:00 | 08/16/24 08:00 | 0-2   |
| 880-47308-4   | CSW-18-Dup-0-2-20240815 | Solid  | 08/15/24 00:00 | 08/16/24 08:00 | 0-2   |
| 880-47308-5   | CSW-19-0-2-20240815     | Solid  | 08/15/24 00:00 | 08/16/24 08:00 | 0-2   |
| 880-47308-6   | CSW-09-0-2-20240815     | Solid  | 08/15/24 00:00 | 08/16/24 08:00 | 0-2   |
| 880-47308-7   | CSW-08-0-2-20240815     | Solid  | 08/15/24 00:00 | 08/16/24 08:00 | 0-2   |
| 880-47308-8   | CSW-07-0-3-20240815     | Solid  | 08/15/24 00:00 | 08/16/24 08:00 | 0-3   |





## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-6440, San Antonio, TX (210) 508-3334  
 El Paso, TX (916) 585-3443, Lubbock, TX (806) 794-1298  
 Hobbs, NM (575) 382-7550, Carlsbad, NM (575) 988-3198  
 Little Rock, AR (501) 224-5060

## Environment Testing



Wor

880-47308 Chain of Custody

Page 1 of 1

|                                          |  |                                       |  |
|------------------------------------------|--|---------------------------------------|--|
| Project Manager: <b>BRAD WYNNE</b>       |  | Bill to: (if different)               |  |
| Company Name: <b>AECOM</b>               |  | Company Name:                         |  |
| Address: <b>13355 NOEL RD, STE. 400</b>  |  | Address:                              |  |
| City, State ZIP: <b>DALLAS, TX 75240</b> |  | City, State ZIP:                      |  |
| Phone: <b>214-971-1829</b>               |  | Email: <b>bradley.wynne@aecom.com</b> |  |

|                                            |  |                                                                              |  |
|--------------------------------------------|--|------------------------------------------------------------------------------|--|
| Project Name: <b>Amoco CTB</b>             |  | Turn Around                                                                  |  |
| Project Number: <b>60734207</b>            |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush    |  |
| Project Location: <b>Levi's New Mexico</b> |  | Due Date:                                                                    |  |
| Sampler's Name: <b>BRENT CLAND</b>         |  | TAT starts the day received by the lab, if received by 4:30pm                |  |
| PO #:                                      |  | Wet los: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  |

| SAMPLE RECEIPT            |  |  |  | Temp Blank:                                                         |  | Yes |  | No |  | Thermometer ID: |  | Correction Factor: |  | Temperature Reading: |  | Corrected Temperature: |  |
|---------------------------|--|--|--|---------------------------------------------------------------------|--|-----|--|----|--|-----------------|--|--------------------|--|----------------------|--|------------------------|--|
| Samples Received In tact: |  |  |  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  |     |  |    |  |                 |  |                    |  |                      |  |                        |  |
| Foster Custody Seals:     |  |  |  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  |     |  |    |  |                 |  |                    |  |                      |  |                        |  |
| Sample Custody Seals:     |  |  |  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  |     |  |    |  |                 |  |                    |  |                      |  |                        |  |
| Total Containers:         |  |  |  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  |     |  |    |  |                 |  |                    |  |                      |  |                        |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grbl Comp | # of Cont | Parameters          | Phas. Code | ANALYSIS REQUEST | Preservative Codes                                                | Sample Comments            |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|---------------------|------------|------------------|-------------------------------------------------------------------|----------------------------|
| CSB-003-410-20240815  | Soil   | 8/15/24      | 13:46        | 4.0   | C         | 1         | CHLORIDE - SAME TAT | Co         |                  | None: NO                                                          | DI Water: H <sub>2</sub> O |
| CSB-004-410-20240815  | Soil   |              | 13:48        | 4.0   | C         | 1         | BTEX - 3 DAY TAT    | Co         |                  | Cool: Cool                                                        | MeOH: Me                   |
| CSW-18-0-2-20240815   | Soil   |              | 13:50        | 0-2   | C         | 1         | TPH - 3 DAY TAT     | Co         |                  | HCL: HC                                                           | HNO <sub>3</sub>           |
| CSW-18-0-2-20240815   | Soil   |              | 13:50        | 0-2   | C         | 1         |                     |            |                  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| CSW-19-0-2-20240815   | Soil   |              | 13:52        | 0-2   | C         | 1         |                     |            |                  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
| CSW-09-0-2-20240815   | Soil   |              | 15:40        | 0-2   | C         | 1         |                     |            |                  | NaHSO <sub>4</sub> : NABIS                                        |                            |
| CSW-08-0-2-20240815   | Soil   |              | 15:42        | 0-2   | C         | 1         |                     |            |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
| CSW-07-0-3-20240815   | Soil   |              | 15:44        | 0-3   | C         | 1         |                     |            |                  | Zn Acetate+NaOH: Zn                                               |                            |
|                       |        |              |              |       |           |           |                     |            |                  | NaOH+Ascorbic Add: SACP                                           |                            |

|                                              |               |                         |          |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |                  |    |                  |    |    |    |    |    |   |    |
|----------------------------------------------|---------------|-------------------------|----------|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|------------------|----|------------------|----|----|----|----|----|---|----|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM             | Texas 11 | Al | Sb | As | Ba | Be | B | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K  | Se               | Ag | SiO <sub>2</sub> | Na | Sr | Ti | Sn | U  | V | Zn |
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010: 8RCRA |          | Sb |    | As | Ba | Be | B | Cd | Ca | Cr | Co | Cu | Pb | Mn | Mo | Ni | K  | Se | Ag | SiO <sub>2</sub> | Na | Sr               | Ti | Sn | U  | V  | Zn |   |    |

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$8 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be entered unless previously negotiated.

|                              |                          |           |                              |                          |           |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i>           | <i>[Signature]</i>       | 8/16/24   |                              |                          |           |
| 3                            | 4                        |           |                              |                          |           |
| 5                            | 6                        |           |                              |                          |           |

Revised Date: 08/28/2020 Rev: 2020.3

## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47308-2  
SDG Number: Loving, New mexico

Login Number: 47308

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400

Dallas, Texas 75240

Generated 8/19/2024 2:58:43 PM

## JOB DESCRIPTION

Amoco CTB  
Loving, New Mexico

## JOB NUMBER

880-47346-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/19/2024 2:58:43 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47346-1  
SDG: Loving, New Mexico

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47346-1  
SDG: Loving, New Mexico

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47346-1

Job ID: 880-47346-1

Eurofins Midland

Job Narrative  
880-47346-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/19/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47346-1  
SDG: Loving, New Mexico

Client Sample ID: CSB-095-6.25-20240816

Lab Sample ID: 880-47346-1

Date Collected: 08/16/24 14:40

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 6.25

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1420   |           | 25.1 | 1.98 | mg/Kg |   |          | 08/19/24 10:41 | 5       |

Client Sample ID: CSB-086-6.25-20240816

Lab Sample ID: 880-47346-2

Date Collected: 08/16/24 14:42

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 6.25

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1150   |           | 25.3 | 1.99 | mg/Kg |   |          | 08/19/24 11:03 | 5       |

Client Sample ID: CSB-077-6.25-20240816

Lab Sample ID: 880-47346-3

Date Collected: 08/16/24 14:44

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 6.25

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1090   |           | 24.8 | 1.96 | mg/Kg |   |          | 08/19/24 11:11 | 5       |

Client Sample ID: CSB-068-6.25-20240816

Lab Sample ID: 880-47346-4

Date Collected: 08/16/24 14:46

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 6.25

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1020   |           | 4.98 | 0.393 | mg/Kg |   |          | 08/19/24 11:19 | 1       |

Client Sample ID: CSB-069-5.5-20240816

Lab Sample ID: 880-47346-5

Date Collected: 08/16/24 14:48

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 5.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1120   |           | 5.04 | 0.398 | mg/Kg |   |          | 08/19/24 11:26 | 1       |

Client Sample ID: CSB-058-5.5-20240816

Lab Sample ID: 880-47346-6

Date Collected: 08/16/24 14:50

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 5.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 815    |           | 4.96 | 0.392 | mg/Kg |   |          | 08/19/24 11:49 | 1       |

Eurofins Midland



## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47346-1  
SDG: Loving, New Mexico

Client Sample ID: CSB-059-6.25-20240816

Lab Sample ID: 880-47346-7

Date Collected: 08/16/24 14:52

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 2.25

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1120   |           | 4.98 | 0.393 | mg/Kg |   |          | 08/19/24 11:56 | 1       |

Client Sample ID: CSB-048-5.25-20240816

Lab Sample ID: 880-47346-8

Date Collected: 08/16/24 14:54

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 5.25

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 659    |           | 5.02 | 0.397 | mg/Kg |   |          | 08/19/24 12:04 | 1       |

Client Sample ID: CSB-049-5.25-20240816

Lab Sample ID: 880-47346-9

Date Collected: 08/16/24 14:56

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 5.25

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 995    |           | 24.9 | 1.96 | mg/Kg |   |          | 08/19/24 12:11 | 5       |

Client Sample ID: CSB-103-6.25-20240816

Lab Sample ID: 880-47346-10

Date Collected: 08/16/24 15:24

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 6.25

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 595    |           | 25.0 | 1.97 | mg/Kg |   |          | 08/19/24 12:19 | 5       |

Client Sample ID: CSB-104-6.25-20240816

Lab Sample ID: 880-47346-11

Date Collected: 08/16/24 15:26

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 6.25

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 369    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/19/24 12:26 | 1       |

Client Sample ID: CSB-105-6.25-20240816

Lab Sample ID: 880-47346-12

Date Collected: 08/16/24 15:28

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 6.25

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1230   |           | 25.1 | 1.98 | mg/Kg |   |          | 08/19/24 12:49 | 5       |

Eurofins Midland

## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47346-1  
SDG: Loving, New Mexico

**Client Sample ID: CSB-108-6.25-20240816****Lab Sample ID: 880-47346-13**

Date Collected: 08/16/24 15:30

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 6.25

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 966    |           | 5.05 | 0.399 | mg/Kg |   |          | 08/19/24 12:57 | 1       |

**Client Sample ID: CSB-109-.625-20240816****Lab Sample ID: 880-47346-14**

Date Collected: 08/16/24 15:32

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 6.25

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 993    |           | 25.3 | 1.99 | mg/Kg |   |          | 08/19/24 13:19 | 5       |

**Client Sample ID: CSW-05-0-3-20240816****Lab Sample ID: 880-47346-15**

Date Collected: 08/16/24 15:54

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 0-3

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 820    |           | 5.04 | 0.398 | mg/Kg |   |          | 08/19/24 13:27 | 1       |

**Client Sample ID: CSB-010-5.5-20240816****Lab Sample ID: 880-47346-16**

Date Collected: 08/16/24 16:20

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 5.5

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1300   |           | 25.2 | 1.99 | mg/Kg |   |          | 08/19/24 13:34 | 5       |

**Client Sample ID: CSB-011-5.5-20240816****Lab Sample ID: 880-47346-17**

Date Collected: 08/16/24 16:22

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 5.5

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 470    |           | 4.96 | 0.392 | mg/Kg |   |          | 08/19/24 13:42 | 1       |

**Client Sample ID: CSB-012-5.5-20240816****Lab Sample ID: 880-47346-18**

Date Collected: 08/16/24 16:24

Matrix: Solid

Date Received: 08/19/24 08:00

Sample Depth: 5.5

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1110   |           | 4.96 | 0.392 | mg/Kg |   |          | 08/19/24 13:49 | 1       |

Eurofins Midland



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47346-1  
SDG: Loving, New Mexico

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-88781/1-A

Matrix: Solid

Analysis Batch: 88787

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/19/24 10:18 | 1       |

Lab Sample ID: LCS 880-88781/2-A

Matrix: Solid

Analysis Batch: 88787

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 257.7         |                  | mg/Kg |   | 103  | 90 - 110       |

Lab Sample ID: LCSD 880-88781/3-A

Matrix: Solid

Analysis Batch: 88787

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 259.6          |                   | mg/Kg |   | 104  | 90 - 110       | 1   | 20           |

Lab Sample ID: 880-47346-1 MS

Matrix: Solid

Analysis Batch: 88787

Client Sample ID: CSB-095-6.25-20240816

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 1420             |                     | 1260           | 2549         |                 | mg/Kg |   | 90   | 90 - 110       |

Lab Sample ID: 880-47346-1 MSD

Matrix: Solid

Analysis Batch: 88787

Client Sample ID: CSB-095-6.25-20240816

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 1420             |                     | 1260           | 2549          |                  | mg/Kg |   | 90   | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-47346-11 MS

Matrix: Solid

Analysis Batch: 88787

Client Sample ID: CSB-104-6.25-20240816

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 369              |                     | 249            | 631.3        |                 | mg/Kg |   | 105  | 90 - 110       |

Lab Sample ID: 880-47346-11 MSD

Matrix: Solid

Analysis Batch: 88787

Client Sample ID: CSB-104-6.25-20240816

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 369              |                     | 249            | 631.9         |                  | mg/Kg |   | 106  | 90 - 110       | 0   | 20           |

Eurofins Midland

## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47346-1  
SDG: Loving, New Mexico

## HPLC/IC

## Leach Batch: 88781

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47346-1        | CSB-095-6.25-20240816  | Soluble   | Solid  | DI Leach |            |
| 880-47346-2        | CSB-086-6.25-20240816  | Soluble   | Solid  | DI Leach |            |
| 880-47346-3        | CSB-077-6.25-20240816  | Soluble   | Solid  | DI Leach |            |
| 880-47346-4        | CSB-068-6.25-20240816  | Soluble   | Solid  | DI Leach |            |
| 880-47346-5        | CSB-069-5.5-20240816   | Soluble   | Solid  | DI Leach |            |
| 880-47346-6        | CSB-058-5.5-20240816   | Soluble   | Solid  | DI Leach |            |
| 880-47346-7        | CSB-059-6.25-20240816  | Soluble   | Solid  | DI Leach |            |
| 880-47346-8        | CSB-048-5.25-20240816  | Soluble   | Solid  | DI Leach |            |
| 880-47346-9        | CSB-049-5.25-20240816  | Soluble   | Solid  | DI Leach |            |
| 880-47346-10       | CSB-103-6.25-20240816  | Soluble   | Solid  | DI Leach |            |
| 880-47346-11       | CSB-104-6.25-20240816  | Soluble   | Solid  | DI Leach |            |
| 880-47346-12       | CSB-105-6.25-20240816  | Soluble   | Solid  | DI Leach |            |
| 880-47346-13       | CSB-108-6.25-20240816  | Soluble   | Solid  | DI Leach |            |
| 880-47346-14       | CSB-109-6.25-20240816  | Soluble   | Solid  | DI Leach |            |
| 880-47346-15       | CSW-05-0-3-20240816    | Soluble   | Solid  | DI Leach |            |
| 880-47346-16       | CSB-010-5.5-20240816   | Soluble   | Solid  | DI Leach |            |
| 880-47346-17       | CSB-011-5.5-20240816   | Soluble   | Solid  | DI Leach |            |
| 880-47346-18       | CSB-012-5.5-20240816   | Soluble   | Solid  | DI Leach |            |
| MB 880-88781/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-88781/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-88781/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-47346-1 MS     | CSB-095-6.25-20240816  | Soluble   | Solid  | DI Leach |            |
| 880-47346-1 MSD    | CSB-095-6.25-20240816  | Soluble   | Solid  | DI Leach |            |
| 880-47346-11 MS    | CSB-104-6.25-20240816  | Soluble   | Solid  | DI Leach |            |
| 880-47346-11 MSD   | CSB-104-6.25-20240816  | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 88787

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-47346-1        | CSB-095-6.25-20240816  | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-2        | CSB-086-6.25-20240816  | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-3        | CSB-077-6.25-20240816  | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-4        | CSB-068-6.25-20240816  | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-5        | CSB-069-5.5-20240816   | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-6        | CSB-058-5.5-20240816   | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-7        | CSB-059-6.25-20240816  | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-8        | CSB-048-5.25-20240816  | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-9        | CSB-049-5.25-20240816  | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-10       | CSB-103-6.25-20240816  | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-11       | CSB-104-6.25-20240816  | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-12       | CSB-105-6.25-20240816  | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-13       | CSB-108-6.25-20240816  | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-14       | CSB-109-6.25-20240816  | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-15       | CSW-05-0-3-20240816    | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-16       | CSB-010-5.5-20240816   | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-17       | CSB-011-5.5-20240816   | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-18       | CSB-012-5.5-20240816   | Soluble   | Solid  | 300.0  | 88781      |
| MB 880-88781/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 88781      |
| LCS 880-88781/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 88781      |
| LCSD 880-88781/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-1 MS     | CSB-095-6.25-20240816  | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-1 MSD    | CSB-095-6.25-20240816  | Soluble   | Solid  | 300.0  | 88781      |

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QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47346-1  
SDG: Loving, New Mexico

HPLC/IC (Continued)

Analysis Batch: 88787 (Continued)

| Lab Sample ID    | Client Sample ID      | Prep Type | Matrix | Method | Prep Batch |
|------------------|-----------------------|-----------|--------|--------|------------|
| 880-47346-11 MS  | CSB-104-6.25-20240816 | Soluble   | Solid  | 300.0  | 88781      |
| 880-47346-11 MSD | CSB-104-6.25-20240816 | Soluble   | Solid  | 300.0  | 88781      |

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Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47346-1  
SDG: Loving, New Mexico

Client Sample ID: CSB-095-6.25-20240816  
Date Collected: 08/16/24 14:40  
Date Received: 08/19/24 08:00

Lab Sample ID: 880-47346-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88787        | 08/19/24 10:41       | CH      | EET MID |

Client Sample ID: CSB-086-6.25-20240816  
Date Collected: 08/16/24 14:42  
Date Received: 08/19/24 08:00

Lab Sample ID: 880-47346-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88787        | 08/19/24 11:03       | CH      | EET MID |

Client Sample ID: CSB-077-6.25-20240816  
Date Collected: 08/16/24 14:44  
Date Received: 08/19/24 08:00

Lab Sample ID: 880-47346-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88787        | 08/19/24 11:11       | CH      | EET MID |

Client Sample ID: CSB-068-6.25-20240816  
Date Collected: 08/16/24 14:46  
Date Received: 08/19/24 08:00

Lab Sample ID: 880-47346-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88787        | 08/19/24 11:19       | CH      | EET MID |

Client Sample ID: CSB-069-5.5-20240816  
Date Collected: 08/16/24 14:48  
Date Received: 08/19/24 08:00

Lab Sample ID: 880-47346-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88787        | 08/19/24 11:26       | CH      | EET MID |

Client Sample ID: CSB-058-5.5-20240816  
Date Collected: 08/16/24 14:50  
Date Received: 08/19/24 08:00

Lab Sample ID: 880-47346-6  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88787        | 08/19/24 11:49       | CH      | EET MID |



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47346-1  
SDG: Loving, New Mexico

Client Sample ID: CSB-059-6.25-20240816

Lab Sample ID: 880-47346-7

Date Collected: 08/16/24 14:52

Matrix: Solid

Date Received: 08/19/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88787        | 08/19/24 11:56       | CH      | EET MID |

Client Sample ID: CSB-048-5.25-20240816

Lab Sample ID: 880-47346-8

Date Collected: 08/16/24 14:54

Matrix: Solid

Date Received: 08/19/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88787        | 08/19/24 12:04       | CH      | EET MID |

Client Sample ID: CSB-049-5.25-20240816

Lab Sample ID: 880-47346-9

Date Collected: 08/16/24 14:56

Matrix: Solid

Date Received: 08/19/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88787        | 08/19/24 12:11       | CH      | EET MID |

Client Sample ID: CSB-103-6.25-20240816

Lab Sample ID: 880-47346-10

Date Collected: 08/16/24 15:24

Matrix: Solid

Date Received: 08/19/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88787        | 08/19/24 12:19       | CH      | EET MID |

Client Sample ID: CSB-104-6.25-20240816

Lab Sample ID: 880-47346-11

Date Collected: 08/16/24 15:26

Matrix: Solid

Date Received: 08/19/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88787        | 08/19/24 12:26       | CH      | EET MID |

Client Sample ID: CSB-105-6.25-20240816

Lab Sample ID: 880-47346-12

Date Collected: 08/16/24 15:28

Matrix: Solid

Date Received: 08/19/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88787        | 08/19/24 12:49       | CH      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47346-1  
SDG: Loving, New Mexico

**Client Sample ID: CSB-108-6.25-20240816****Lab Sample ID: 880-47346-13****Date Collected: 08/16/24 15:30****Matrix: Solid****Date Received: 08/19/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88787        | 08/19/24 12:57       | CH      | EET MID |

**Client Sample ID: CSB-109-.625-20240816****Lab Sample ID: 880-47346-14****Date Collected: 08/16/24 15:32****Matrix: Solid****Date Received: 08/19/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88787        | 08/19/24 13:19       | CH      | EET MID |

**Client Sample ID: CSW-05-0-3-20240816****Lab Sample ID: 880-47346-15****Date Collected: 08/16/24 15:54****Matrix: Solid****Date Received: 08/19/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88787        | 08/19/24 13:27       | CH      | EET MID |

**Client Sample ID: CSB-010-5.5-20240816****Lab Sample ID: 880-47346-16****Date Collected: 08/16/24 16:20****Matrix: Solid****Date Received: 08/19/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 88787        | 08/19/24 13:34       | CH      | EET MID |

**Client Sample ID: CSB-011-5.5-20240816****Lab Sample ID: 880-47346-17****Date Collected: 08/16/24 16:22****Matrix: Solid****Date Received: 08/19/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88787        | 08/19/24 13:42       | CH      | EET MID |

**Client Sample ID: CSB-012-5.5-20240816****Lab Sample ID: 880-47346-18****Date Collected: 08/16/24 16:24****Matrix: Solid****Date Received: 08/19/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 88781        | 08/19/24 08:32       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 88787        | 08/19/24 13:49       | CH      | EET MID |

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47346-1  
SDG: Loving, New Mexico

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47346-1  
SDG: Loving, New Mexico

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

- Protocol References:**
- ASTM = ASTM International
  - EPA = US Environmental Protection Agency
- Laboratory References:**
- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47346-1  
SDG: Loving, New Mexico

| Lab Sample ID | Client Sample ID      | Matrix | Collected      | Received       | Depth |
|---------------|-----------------------|--------|----------------|----------------|-------|
| 880-47346-1   | CSB-095-6.25-20240816 | Solid  | 08/16/24 14:40 | 08/19/24 08:00 | 6.25  |
| 880-47346-2   | CSB-086-6.25-20240816 | Solid  | 08/16/24 14:42 | 08/19/24 08:00 | 6.25  |
| 880-47346-3   | CSB-077-6.25-20240816 | Solid  | 08/16/24 14:44 | 08/19/24 08:00 | 6.25  |
| 880-47346-4   | CSB-068-6.25-20240816 | Solid  | 08/16/24 14:46 | 08/19/24 08:00 | 6.25  |
| 880-47346-5   | CSB-069-5.5-20240816  | Solid  | 08/16/24 14:48 | 08/19/24 08:00 | 5.5   |
| 880-47346-6   | CSB-058-5.5-20240816  | Solid  | 08/16/24 14:50 | 08/19/24 08:00 | 5.5   |
| 880-47346-7   | CSB-059-6.25-20240816 | Solid  | 08/16/24 14:52 | 08/19/24 08:00 | 2.25  |
| 880-47346-8   | CSB-048-5.25-20240816 | Solid  | 08/16/24 14:54 | 08/19/24 08:00 | 5.25  |
| 880-47346-9   | CSB-049-5.25-20240816 | Solid  | 08/16/24 14:56 | 08/19/24 08:00 | 5.25  |
| 880-47346-10  | CSB-103-6.25-20240816 | Solid  | 08/16/24 15:24 | 08/19/24 08:00 | 6.25  |
| 880-47346-11  | CSB-104-6.25-20240816 | Solid  | 08/16/24 15:26 | 08/19/24 08:00 | 6.25  |
| 880-47346-12  | CSB-105-6.25-20240816 | Solid  | 08/16/24 15:28 | 08/19/24 08:00 | 6.25  |
| 880-47346-13  | CSB-108-6.25-20240816 | Solid  | 08/16/24 15:30 | 08/19/24 08:00 | 6.25  |
| 880-47346-14  | CSB-109-.625-20240816 | Solid  | 08/16/24 15:32 | 08/19/24 08:00 | 6.25  |
| 880-47346-15  | CSW-05-0-3-20240816   | Solid  | 08/16/24 15:54 | 08/19/24 08:00 | 0-3   |
| 880-47346-16  | CSB-010-5.5-20240816  | Solid  | 08/16/24 16:20 | 08/19/24 08:00 | 5.5   |
| 880-47346-17  | CSB-011-5.5-20240816  | Solid  | 08/16/24 16:22 | 08/19/24 08:00 | 5.5   |
| 880-47346-18  | CSB-012-5.5-20240816  | Solid  | 08/16/24 16:24 | 08/19/24 08:00 | 5.5   |



## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 802-0300  
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## Environment Testing

Work Order



880-47346 Chain of Custody

Page 1 of 2

|                  |  |                         |  |
|------------------|--|-------------------------|--|
| Project Manager: |  | BRAD WYNNE              |  |
| Company Name:    |  | AECOM                   |  |
| Address:         |  | 13355 NOEL RD, STE. 400 |  |
| City, State ZIP: |  | DALLAS, TX 75240        |  |
| Phone:           |  | 214-971-1829            |  |
| Email:           |  | bradley.wynne@aecom.com |  |

|                   |  |                   |  |
|-------------------|--|-------------------|--|
| Project Name:     |  | Anacostia CTB     |  |
| Project Number:   |  | 60734207          |  |
| Project Location: |  | Loisig New Mexico |  |
| Sampler's Name:   |  | BRENT CLAND       |  |
| PO #:             |  |                   |  |

|                          |  |                    |  |                            |  |
|--------------------------|--|--------------------|--|----------------------------|--|
| SAMPLE RECEIPT           |  | Temp Blank: Yes No |  | Wet Ice: Yes No            |  |
| Samples Received Intact: |  | Yes No             |  | Thermometer ID: 1009       |  |
| Cooler Custody Seals:    |  | Yes No N/A         |  | Correction Factor: -1      |  |
| Sample Custody Seals:    |  | Yes No N/A         |  | Temperature Reading: 5.7   |  |
| Total Containers:        |  |                    |  | Corrected Temperature: 5.6 |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters      | Pres. Code | ANALYSIS REQUEST | Preservative Codes                                                | Sample Comments            |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-----------------|------------|------------------|-------------------------------------------------------------------|----------------------------|
| CSB-095-6.25-20240816 | Soil   | 8/16/24      | 14:40        | 6.25  | C         | 1         | CHLORIDE - 5.46 |            |                  | None: NO                                                          | DI Water: H <sub>2</sub> O |
| CSB-086-6.25-20240816 | Soil   |              | 14:42        | 6.25  | C         | 1         |                 |            |                  | Cool: Cool                                                        | MeOH: Me                   |
| CSB-077-6.25-20240816 | Soil   |              | 14:44        | 6.25  | C         | 1         |                 |            |                  | HCL: HC                                                           | HNO <sub>3</sub>           |
| CSB-068-6.25-20240816 | Soil   |              | 14:46        | 6.25  | C         | 1         |                 |            |                  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| CSB-069-5.5-20240816  | Soil   |              | 14:48        | 5.5   | C         | 1         |                 |            |                  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
| CSB-058-5.5-20240816  | Soil   |              | 14:50        | 5.5   | C         | 1         |                 |            |                  | NaHSO <sub>4</sub> : NABIS                                        |                            |
| CSB-059-6.25-20240816 | Soil   |              | 14:52        | 6.25  | C         | 1         |                 |            |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
| CSB-048-5.25-20240816 | Soil   |              | 14:54        | 5.25  | C         | 1         |                 |            |                  | Zn Acetate+NaOH: Zn                                               |                            |
| CSB-049-5.25-20240816 | Soil   |              | 14:56        | 5.25  | C         | 1         |                 |            |                  | NaOH+Ascorbic Acid: SAPC                                          |                            |
| CSB-103-6.25-20240816 | Soil   |              | 15:24        | 6.25  | C         | 1         |                 |            |                  |                                                                   |                            |

|                                              |               |                                                                                                       |                                                                                               |
|----------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM Texas 11                                                                                  | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SIO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |                                                                                               |

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|                              |                          |              |
|------------------------------|--------------------------|--------------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    |
| <i>Bradley Wynne</i>         | <i>Bradley Wynne</i>     | 8/19/24 5:00 |
| 3                            | 4                        | 6            |
| 5                            |                          |              |

Revised Date: 08/25/2020 Rev. 2020.2





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## Environment Testing

Work Order No: 47346Page 2 of 2

|                                             |  |                                       |  |                                                                                                                                                                                                  |  |
|---------------------------------------------|--|---------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Project Manager: <u>BRAD WYNNIE</u>         |  | Bill to: (if different)               |  | Work Order Comments                                                                                                                                                                              |  |
| Company Name: <u>13355 ADEL RD, STE 400</u> |  | Company Name:                         |  | Program: <input type="checkbox"/> PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |  |
| Address: <u>AECOM</u>                       |  | Address:                              |  | State of Project: <u>NEW MEXICO</u>                                                                                                                                                              |  |
| City, State ZIP: <u>DALLAS, TX, 75240</u>   |  | City, State ZIP:                      |  | Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>                 |  |
| Phone: <u>214-971-1829</u>                  |  | Email: <u>bradley_wynne@aecom.com</u> |  | Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                                      |  |

| ANALYSIS REQUEST           |         |              |              | Preservative Codes |           |
|----------------------------|---------|--------------|--------------|--------------------|-----------|
| Sample Identification      | Matrix  | Date Sampled | Time Sampled | Depth              | Grab/Comp |
| CSB-104-6.25-20240816 So.1 | 8/16/24 | 15:26        | 6.25         | C                  | 1         |
| CSB-105-6.25-20240816 So.1 | 8/16/24 | 15:28        | 6.25         | C                  | 1         |
| CSB-108-6.25-20240816 So.1 | 8/16/24 | 15:30        | 6.25         | C                  | 1         |
| CSB-109-6.25-20240816 So.1 | 8/16/24 | 15:32        | 6.25         | C                  | 1         |
| CSW-05-0-3-20240816 So.1   | 8/16/24 | 15:54        | 0-3          | C                  | 1         |
| CSB-010-5.5-20240816 So.1  | 8/16/24 | 16:20        | 5.5          | C                  | 1         |
| CSB-011-5.5-20240816 So.1  | 8/16/24 | 16:22        | 5.5          | C                  | 1         |
| CSB-012-5.5-20240816 So.1  | 8/16/24 | 16:24        | 5.5          | C                  | 1         |

| SAMPLE RECEIPT                                                                                                                                                                                                                                                                                                                                              |  | Temp Blank: |  | Yes |  | No              |  | Wet Ice:               |  | Yes |  | No                    |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|--|-----|--|-----------------|--|------------------------|--|-----|--|-----------------------|--|
| Samples Received Intact:                                                                                                                                                                                                                                                                                                                                    |  | Yes         |  | No  |  | Thermometer ID: |  | Yes                    |  | No  |  | Cooler Custody Seals: |  |
| Cooler Custody Seals:                                                                                                                                                                                                                                                                                                                                       |  | Yes         |  | No  |  | N/A             |  | Correction Factor:     |  | Yes |  | No                    |  |
| Sample Custody Seals:                                                                                                                                                                                                                                                                                                                                       |  | Yes         |  | No  |  | N/A             |  | Temperature Reading:   |  | Yes |  | No                    |  |
| Total Containers:                                                                                                                                                                                                                                                                                                                                           |  | Yes         |  | No  |  | N/A             |  | Corrected Temperature: |  | Yes |  | No                    |  |
| Project Name: <u>Ameco CTR</u><br>Project Number: <u>60734207</u><br>Project Location: <u>Loving, New Mexico</u><br>Sampler's Name: <u>DEBUT CLAND</u><br>PO #: <u></u><br>Due Date: <u></u><br>TAT starts the day received by the lab, if received by 4:30pm                                                                                               |  |             |  |     |  |                 |  |                        |  |     |  |                       |  |
| Parameters: <u>CHLORIDE - 5th day</u><br>Pres. Code: <u>Coil</u>                                                                                                                                                                                                                                                                                            |  |             |  |     |  |                 |  |                        |  |     |  |                       |  |
| None: NO<br>DI Water: H <sub>2</sub> O<br>Cool: Cool<br>MeOH: Me<br>HCL: HC<br>HNO <sub>3</sub><br>H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub><br>NaOH: Na<br>H <sub>3</sub> PO <sub>4</sub> : HP<br>NaHSO <sub>4</sub> : NABIS<br>Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub><br>Zn Acetate+NaOH: Zn<br>NaOH+Ascorbic Acid: SAPC |  |             |  |     |  |                 |  |                        |  |     |  |                       |  |
| Sample Comments                                                                                                                                                                                                                                                                                                                                             |  |             |  |     |  |                 |  |                        |  |     |  |                       |  |

|                                              |  |                         |  |                                                |  |                                                                                               |  |
|----------------------------------------------|--|-------------------------|--|------------------------------------------------|--|-----------------------------------------------------------------------------------------------|--|
| Total 200.7 / 6010                           |  | 200.8 / 6020:           |  | 8RCRA 13PPM Texas 11                           |  | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |  |
| Circle Method(s) and Metal(s) to be analyzed |  | TCLP / SPLP 6010: 8RCRA |  | Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U |  | Hg: 1631 / 245.1 / 7470 / 7471                                                                |  |

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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time      | Relinquished by: (Signature) | Received by: (Signature) | Date/Time      |
|------------------------------|--------------------------|----------------|------------------------------|--------------------------|----------------|
| <u>[Signature]</u>           | <u>[Signature]</u>       | <u>8/19/24</u> | <u>[Signature]</u>           | <u>[Signature]</u>       | <u>8/19/24</u> |
| <u>[Signature]</u>           | <u>[Signature]</u>       | <u>8/19/24</u> | <u>[Signature]</u>           | <u>[Signature]</u>       | <u>8/19/24</u> |
| <u>[Signature]</u>           | <u>[Signature]</u>       | <u>8/19/24</u> | <u>[Signature]</u>           | <u>[Signature]</u>       | <u>8/19/24</u> |

Revised Date: 08/25/2020 Rev. 2020.2



## Chain of Custody

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## Environment Testing

Work Order

880-47346 Chain of Custody

Page 1 of 2

|                                          |  |                                     |  |
|------------------------------------------|--|-------------------------------------|--|
| Project Manager: <b>BRAD WYNNE</b>       |  | Bill to: (if different)             |  |
| Company Name: <b>AECOM</b>               |  | Company Name:                       |  |
| Address: <b>13355 NOEL RD STE 400</b>    |  | Address:                            |  |
| City, State ZIP: <b>DALLAS, TX 75240</b> |  | City, State ZIP:                    |  |
| Phone: <b>214-971-1829</b>               |  | Email: <b>bradley.wynne@aec.com</b> |  |

|                                            |                                                                           |            |                  |  |  |  |  |  |  |  |  |  |                                                          |  |
|--------------------------------------------|---------------------------------------------------------------------------|------------|------------------|--|--|--|--|--|--|--|--|--|----------------------------------------------------------|--|
| Project Name: <b>Amare CTB</b>             | Turn Around                                                               | Pres. Code | ANALYSIS REQUEST |  |  |  |  |  |  |  |  |  | Preservative Codes                                       |  |
| Project Number: <b>60734207</b>            | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |            |                  |  |  |  |  |  |  |  |  |  | None: NO DI Water: H <sub>2</sub> O                      |  |
| Project Location: <b>Lo-Ing New Mexico</b> | Due Date:                                                                 |            |                  |  |  |  |  |  |  |  |  |  | Cool: Cool MeOH: Me                                      |  |
| Sampler's Name: <b>BRENT CLAND</b>         | TAT starts the day received by the lab, if received by 4:30pm             |            |                  |  |  |  |  |  |  |  |  |  | HCL: HC HNO <sub>3</sub>                                 |  |
| PO #:                                      |                                                                           |            |                  |  |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na |  |

|                          |  |                        |  |                 |  |                      |  |        |  |
|--------------------------|--|------------------------|--|-----------------|--|----------------------|--|--------|--|
| SAMPLE RECEIPT           |  | Temp Blank:            |  | Yes No          |  | Wet Ice:             |  | Yes No |  |
| Samples Received Intact: |  | Yes No                 |  | Thermometer ID: |  | Yes No               |  | Yes No |  |
| Cooler Custody Seals:    |  | Yes No                 |  | N/A             |  | Correction Factor:   |  | Yes No |  |
| Sample Custody Seals:    |  | Yes No                 |  | N/A             |  | Temperature Reading: |  | Yes No |  |
| Total Containers:        |  | Corrected Temperature: |  | S.7             |  |                      |  |        |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------|
| CSB-095-6.25-20240816 | Soil   | 8/16/24      | 14:40        | 6.25  | C         | 1         |            |
| CSB-086-6.25-20240816 | Soil   |              | 14:42        | 6.25  | C         | 1         |            |
| CSB-077-6.25-20240816 | Soil   |              | 14:44        | 6.25  | C         | 1         |            |
| CSB-068-6.25-20240816 | Soil   |              | 14:46        | 6.25  | C         | 1         |            |
| CSB-069-5.5-20240816  | Soil   |              | 14:48        | 5.5   | C         | 1         |            |
| CSB-058-5.5-20240816  | Soil   |              | 14:50        | 5.5   | C         | 1         |            |
| CSB-059-6.25-20240816 | Soil   |              | 14:52        | 6.25  | C         | 1         |            |
| CSB-048-5.25-20240816 | Soil   |              | 14:54        | 5.25  | C         | 1         |            |
| CSB-049-5.25-20240816 | Soil   |              | 14:56        | 5.25  | C         | 1         |            |
| CSB-103-6.25-20240816 | Soil   |              | 15:24        | 6.25  | C         | 1         |            |

|                                                                   |  |
|-------------------------------------------------------------------|--|
| Sample Comments                                                   |  |
| None: NO DI Water: H <sub>2</sub> O                               |  |
| Cool: Cool MeOH: Me                                               |  |
| HCL: HC HNO <sub>3</sub>                                          |  |
| H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na          |  |
| H <sub>3</sub> PO <sub>4</sub> : HP                               |  |
| NaHSO <sub>4</sub> : NABIS                                        |  |
| Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |
| Zn Acetate+NaOH: Zn                                               |  |
| NaOH+Ascorbic Acid: SAPC                                          |  |

|                                              |               |                                                                                                       |                                                                                               |
|----------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM Texas 11                                                                                  | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |                                                                                               |

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|                              |                          |                              |                          |           |
|------------------------------|--------------------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i>           | <i>[Signature]</i>       | <i>[Signature]</i>           | <i>[Signature]</i>       | 8/19/24   |
| 3                            |                          |                              |                          |           |
| 5                            |                          |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2



## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3198  
Little Rock, AR (501) 224-5060



## Environment Testing

Work Order No: 47346

Page 2 of 2

|                                      |  |                                |  |                                                                                                                                                                                  |  |
|--------------------------------------|--|--------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Project Manager: BRAD WYNNE          |  | Bill to: (if different)        |  | Work Order Comments                                                                                                                                                              |  |
| Company Name: 13355 NOEL RD, STE 400 |  | Company Name:                  |  | Program: <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>              |  |
| Address: AECOM                       |  | Address:                       |  | State of Project: NEW MEXICO                                                                                                                                                     |  |
| City, State ZIP: DALLAS TX, 75240    |  | City, State ZIP:               |  | Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Phone: 214-971-1829                  |  | Email: bradley.wynne@aecom.com |  | Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

| ANALYSIS REQUEST         |                 |                    |                 |       |                                  |                                          |                        |                                                               |            | Preservative Codes                                                |                            |
|--------------------------|-----------------|--------------------|-----------------|-------|----------------------------------|------------------------------------------|------------------------|---------------------------------------------------------------|------------|-------------------------------------------------------------------|----------------------------|
| Project Name:            | Project Number: | Project Location:  | Sampler's Name: | PO #: | Turn Around                      |                                          |                        |                                                               | Pres. Code | Sample Comments                                                   |                            |
|                          |                 |                    |                 |       | <input type="checkbox"/> Routine | <input checked="" type="checkbox"/> Rush | Due Date:              | TAT starts the day received by the lab, if received by 4:30pm |            |                                                                   |                            |
| Amoco CTR                | 60734707        | Loving, New Mexico | BRENT CLAND     |       | Yes                              | No                                       | Wet Ice:               | Yes                                                           | No         | None: NO                                                          | DI Water: H <sub>2</sub> O |
| SAMPLE RECEIPT           |                 |                    |                 |       | Temp Blank:                      | Yes                                      | No                     | Thermometer ID:                                               |            | Cool: Cool                                                        | MeOH: Me                   |
| Samples Received Intact: |                 |                    |                 |       | Yes                              | No                                       | Correction Factor:     |                                                               |            | HCL: HC                                                           | HNO <sub>3</sub>           |
| Cooler Custody Seals:    |                 |                    |                 |       | Yes                              | No                                       | N/A                    |                                                               |            | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| Sample Custody Seals:    |                 |                    |                 |       | Yes                              | No                                       | N/A                    |                                                               |            | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
| Total Containers:        |                 |                    |                 |       |                                  |                                          | Corrected Temperature: |                                                               |            | NaHSO <sub>4</sub> : NABIS                                        |                            |
|                          |                 |                    |                 |       |                                  |                                          |                        |                                                               |            | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
|                          |                 |                    |                 |       |                                  |                                          |                        |                                                               |            | Zn Acetate+NaOH: Zn                                               |                            |
|                          |                 |                    |                 |       |                                  |                                          |                        |                                                               |            | NaOH+Ascorbic Acid: SAPC                                          |                            |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|
| CSB-104-6.25-20240816 | Soil   | 8/16/24      | 15:26        | 6.25  | C         | 1         |
| CSB-105-6.25-20240816 | Soil   |              | 15:28        | 6.25  | C         | 1         |
| CSB-108-6.25-20240816 | Soil   |              | 15:30        | 6.25  | C         | 1         |
| CSB-109-6.25-20240816 | Soil   |              | 15:32        | 6.25  | C         | 1         |
| CSW-05-0-3-20240816   | Soil   |              | 15:54        | 0-3   | C         | 1         |
| CSB-010-5.5-20240816  | Soil   |              | 16:20        | 5.5   | C         | 1         |
| CSB-011-5.5-20240816  | Soil   |              | 16:22        | 5.5   | C         | 1         |
| CSB-012-5.5-20240816  | Soil   |              | 16:24        | 5.5   | C         | 1         |

|                                              |  |                         |  |                                                                                                                    |  |
|----------------------------------------------|--|-------------------------|--|--------------------------------------------------------------------------------------------------------------------|--|
| Total 200.7 / 6010                           |  | 200.8 / 6020:           |  | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |  |
| Circle Method(s) and Metal(s) to be analyzed |  | TCLP / SPLP 6010: 8RCRA |  | Hg: 1631 / 245.1 / 7470 / 7471                                                                                     |  |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
|                              |                          | 8/19/24 5:00 |                              |                          |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |

Revised Date: 06/25/2020 Rev. 2020.2

## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47346-1  
SDG Number: Loving, New Mexico

Login Number: 47346

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 9/4/2024 10:26:29 AM Revision 1

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-47494-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Generated  
9/4/2024 10:26:29 AM  
Revision 1



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47494-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.                                                     |
| B         | Compound was found in the blank and sample.                                                                    |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1-       | Surrogate recovery exceeds control limits, low biased.                                                         |
| S1+       | Surrogate recovery exceeds control limits, high biased.                                                        |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47494-1

**Job ID: 880-47494-1**

**Eurofins Midland**

### Job Narrative 880-47494-1

#### REVISION

The report being provided is a revision of the original report sent on 8/23/2024. The report (revision 1) is being revised due to Revised report to re-run sample due to blank contamination.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### **Receipt**

The samples were received on 8/21/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

#### **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-079-4.5-20240820 (880-47494-1), CSB-080-4.5-20240820 (880-47494-2), CSB-081-4.5-20240820 (880-47494-3), CSB-012-6.0-20240820 (880-47494-4), CSB-030-7.25-20240820 (880-47494-5), CSB-020-13.25-20240820 (880-47494-6), CSB-010-6.0-20240820 (880-47494-7), CSB-105-6.5-20240820 (880-47494-8), CSB-108-6.5-20240820 (880-47494-9), CSB-109-6.5-20240820 (880-47494-10), CSB-111-3.0-20240820 (880-47494-11), CSW-07-0-3-20240820 (880-47494-12), CSW-01-0-3-20240820 (880-47494-13), CSB-028-3.0-20240820 (880-47494-14), CSB-038-3.0-20240820 (880-47494-15), CSB-039-3.0-20240820 (880-47494-16), CSW-08-0-4-20240820 (880-47494-17), CSW-09-0-4-20240820 (880-47494-18), CSW-09-Dup-0-4-20240820 (880-47494-19) and CSW-05-0-3-20240820 (880-47494-20).

#### **GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### **Diesel Range Organics**

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-89068 and analytical batch 880-89062 was outside the control limits.

Method 8015MOD\_NM: The method blank for preparation batch 880-89106 and analytical batch 880-89140 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction /re-analysis of samples was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-89106/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: CSB-028-3.0-20240820 (880-47494-14), CSB-038-3.0-20240820 (880-47494-15), CSB-039-3.0-20240820 (880-47494-16), (880-47494-A-14-D MS) and (880-47494-A-14-E MSD). Percent recoveries are based on the amount spiked.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-89106 and analytical batch 880-89140 was outside the upper control limits.

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-89140 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-89140/21).

Eurofins Midland

## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47494-1

### Job ID: 880-47494-1 (Continued)

**Eurofins Midland**

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-89523 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD\_NM: The laboratory control sample (LCS) associated with preparation batch 880-89508 and analytical batch 880-89523 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD\_NM: The matrix spike recoveries and precision for preparation batch 880-89508 and analytical batch 880-89523 was outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

Matrix spike duplicate is acceptable and is used to validate batch as per the method only one is needed.

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-89523 exhibited % difference of > 20% for the following analyte(s) Gasoline Range Organics (GRO)-C6-C10. These results are within the acceptance limits but exceed the performance criteria.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (820-14928-A-40-C MS). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-89508/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-89508/3-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-89044 and analytical batch 880-89057 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland



## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

Client Sample ID: CSB-079-4.5-20240820

Lab Sample ID: 880-47494-1

Date Collected: 08/20/24 08:10

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 181    |           | 5.01 | 0.396 | mg/Kg |   |          | 08/21/24 11:35 | 1       |

Client Sample ID: CSB-080-4.5-20240820

Lab Sample ID: 880-47494-2

Date Collected: 08/20/24 08:15

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 195    |           | 5.05 | 0.399 | mg/Kg |   |          | 08/21/24 11:54 | 1       |

Client Sample ID: CSB-081-4.5-20240820

Lab Sample ID: 880-47494-3

Date Collected: 08/20/24 08:20

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 189    |           | 4.96 | 0.392 | mg/Kg |   |          | 08/21/24 12:00 | 1       |

Client Sample ID: CSB-012-6.0-20240820

Lab Sample ID: 880-47494-4

Date Collected: 08/20/24 08:30

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 613    |           | 25.3 | 1.99 | mg/Kg |   |          | 08/21/24 12:06 | 5       |

Client Sample ID: CSB-030-7.25-20240820

Lab Sample ID: 880-47494-5

Date Collected: 08/20/24 08:45

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 662    |           | 4.96 | 0.392 | mg/Kg |   |          | 08/21/24 12:12 | 1       |

Client Sample ID: CSB-020-13.25-20240820

Lab Sample ID: 880-47494-6

Date Collected: 08/20/24 09:15

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 559    |           | 25.3 | 1.99 | mg/Kg |   |          | 08/21/24 12:30 | 5       |

Client Sample ID: CSB-010-6.0-20240820

Lab Sample ID: 880-47494-7

Date Collected: 08/20/24 09:30

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 684    |           | 24.9 | 1.97 | mg/Kg |   |          | 08/21/24 12:36 | 5       |

Eurofins Midland

## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

Client Sample ID: CSB-105-6.5-20240820

Lab Sample ID: 880-47494-8

Date Collected: 08/20/24 10:30

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 591    |           | 5.04 | 0.398 | mg/Kg |   |          | 08/21/24 12:42 | 1       |

Client Sample ID: CSB-108-6.5-20240820

Lab Sample ID: 880-47494-9

Date Collected: 08/20/24 10:45

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 704    |           | 25.1 | 1.98 | mg/Kg |   |          | 08/21/24 12:48 | 5       |

Client Sample ID: CSB-109-6.5-20240820

Lab Sample ID: 880-47494-10

Date Collected: 08/20/24 11:00

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 228    |           | 4.99 | 0.394 | mg/Kg |   |          | 08/21/24 12:54 | 1       |

Client Sample ID: CSB-111-3.0-20240820

Lab Sample ID: 880-47494-11

Date Collected: 08/20/24 11:15

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 12:54 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 12:54 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 12:54 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 12:54 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 12:54 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 12:54 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 | 08/21/24 09:24 | 08/21/24 12:54 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 08/21/24 09:24 | 08/21/24 12:54 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg |   |          | 08/21/24 12:54 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 15.1   | J         | 49.9 | 15.1 | mg/Kg |   |          | 08/21/24 19:00 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 49.9 | 14.5 | mg/Kg |   | 08/21/24 15:17 | 08/21/24 19:00 | 1       |
| Diesel Range Organics (Over C10-C28) | 15.1   | J         | 49.9 | 15.1 | mg/Kg |   | 08/21/24 15:17 | 08/21/24 19:00 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 49.9 | 15.1 | mg/Kg |   | 08/21/24 15:17 | 08/21/24 19:00 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 90        |           | 70 - 130 | 08/21/24 15:17 | 08/21/24 19:00 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

Client Sample ID: CSB-111-3.0-20240820

Lab Sample ID: 880-47494-11

Date Collected: 08/20/24 11:15

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Surrogate   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl | 95        |           | 70 - 130 | 08/21/24 15:17 | 08/21/24 19:00 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 509    | F1        | 25.0 | 1.97 | mg/Kg |   |          | 08/21/24 13:00 | 5       |

Client Sample ID: CSW-07-0-3-20240820

Lab Sample ID: 880-47494-12

Date Collected: 08/20/24 11:30

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 364    |           | 5.05 | 0.399 | mg/Kg |   |          | 08/21/24 13:18 | 1       |

Client Sample ID: CSW-01-0-3-20240820

Lab Sample ID: 880-47494-13

Date Collected: 08/20/24 13:30

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00138 | U         | 0.00199 | 0.00138 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:14 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:14 | 1       |
| Ethylbenzene        | <0.00108 | U         | 0.00199 | 0.00108 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:14 | 1       |
| m-Xylene & p-Xylene | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:14 | 1       |
| o-Xylene            | <0.00157 | U         | 0.00199 | 0.00157 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:14 | 1       |
| Xylenes, Total      | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:14 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 08/21/24 09:24 | 08/21/24 13:14 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 08/21/24 09:24 | 08/21/24 13:14 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg |   |          | 08/21/24 13:14 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 08/21/24 19:16 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 49.8 | 14.5 | mg/Kg |   | 08/21/24 15:17 | 08/21/24 19:16 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   | 08/21/24 15:17 | 08/21/24 19:16 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   | 08/21/24 15:17 | 08/21/24 19:16 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 80        |           | 70 - 130 | 08/21/24 15:17 | 08/21/24 19:16 | 1       |
| o-Terphenyl    | 87        |           | 70 - 130 | 08/21/24 15:17 | 08/21/24 19:16 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

Client Sample ID: CSW-01-0-3-20240820

Lab Sample ID: 880-47494-13

Date Collected: 08/20/24 13:30

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 751    |           | 5.00 | 0.395 | mg/Kg |   |          | 08/21/24 13:24 | 1       |

Client Sample ID: CSB-028-3.0-20240820

Lab Sample ID: 880-47494-14

Date Collected: 08/20/24 13:45

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:35 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:35 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:35 | 1       |
| m-Xylene & p-Xylene         | <0.00229  | U         | 0.00401  | 0.00229 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:35 | 1       |
| o-Xylene                    | <0.00159  | U         | 0.00200  | 0.00159 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:35 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00401  | 0.00229 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:35 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 |         |       |   | 08/21/24 09:24 | 08/21/24 13:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |         |       |   | 08/21/24 09:24 | 08/21/24 13:35 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   |          | 08/21/24 13:35 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.0  | U         | 49.7 | 15.0 | mg/Kg |   |          | 08/28/24 23:35 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.4     | U         | 49.7     | 14.4 | mg/Kg |   | 08/27/24 14:55 | 08/28/24 23:35 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.0     | U *       | 49.7     | 15.0 | mg/Kg |   | 08/27/24 14:55 | 08/28/24 23:35 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 08/27/24 14:55 | 08/28/24 23:35 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 106       |           | 70 - 130 |      |       |   | 08/27/24 14:55 | 08/28/24 23:35 | 1       |
| o-Terphenyl                          | 105       |           | 70 - 130 |      |       |   | 08/27/24 14:55 | 08/28/24 23:35 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 521    |           | 5.01 | 0.396 | mg/Kg |   |          | 08/21/24 13:42 | 1       |

Client Sample ID: CSB-038-3.0-20240820

Lab Sample ID: 880-47494-15

Date Collected: 08/20/24 14:00

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte      | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene      | <0.00139 | U         | 0.00199 | 0.00139 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:55 | 1       |
| Toluene      | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:55 | 1       |
| Ethylbenzene | <0.00108 | U         | 0.00199 | 0.00108 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:55 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

Client Sample ID: CSB-038-3.0-20240820

Lab Sample ID: 880-47494-15

Date Collected: 08/20/24 14:00

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:55 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00199  | 0.00158 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:55 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 13:55 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 112       |           | 70 - 130 |         |       |   | 08/21/24 09:24 | 08/21/24 13:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 |         |       |   | 08/21/24 09:24 | 08/21/24 13:55 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg |   |          | 08/21/24 13:55 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 51.8   |           | 50.0 | 15.1 | mg/Kg |   |          | 08/22/24 14:12 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 08/21/24 16:18 | 08/22/24 14:12 | 1       |
| Diesel Range Organics (Over C10-C28) | 51.8      | B         | 50.0     | 15.1 | mg/Kg |   | 08/21/24 16:18 | 08/22/24 14:12 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 08/21/24 16:18 | 08/22/24 14:12 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 189       | S1+       | 70 - 130 |      |       |   | 08/21/24 16:18 | 08/22/24 14:12 | 1       |
| o-Terphenyl                          | 193       | S1+       | 70 - 130 |      |       |   | 08/21/24 16:18 | 08/22/24 14:12 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 415    |           | 5.03 | 0.397 | mg/Kg |   |          | 08/21/24 13:48 | 1       |

Client Sample ID: CSB-039-3.0-20240820

Lab Sample ID: 880-47494-16

Date Collected: 08/20/24 14:15

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00138  | U         | 0.00198  | 0.00138 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 14:16 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  | 0.00198 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 14:16 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00198  | 0.00108 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 14:16 | 1       |
| m-Xylene & p-Xylene         | <0.00226  | U         | 0.00396  | 0.00226 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 14:16 | 1       |
| o-Xylene                    | <0.00157  | U         | 0.00198  | 0.00157 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 14:16 | 1       |
| Xylenes, Total              | <0.00226  | U         | 0.00396  | 0.00226 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 14:16 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 |         |       |   | 08/21/24 09:24 | 08/21/24 14:16 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |         |       |   | 08/21/24 09:24 | 08/21/24 14:16 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00226 | U         | 0.00396 | 0.00226 | mg/Kg |   |          | 08/21/24 14:16 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

Client Sample ID: CSB-039-3.0-20240820

Lab Sample ID: 880-47494-16

Date Collected: 08/20/24 14:15

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 27.5   | J         | 50.0 | 15.1 | mg/Kg |   |          | 08/22/24 14:30 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 08/21/24 16:18 | 08/22/24 14:30 | 1       |
| Diesel Range Organics (Over C10-C28) | 27.5      | J B       | 50.0     | 15.1 | mg/Kg |   | 08/21/24 16:18 | 08/22/24 14:30 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 08/21/24 16:18 | 08/22/24 14:30 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 162       | S1+       | 70 - 130 |      |       |   | 08/21/24 16:18 | 08/22/24 14:30 | 1       |
| o-Terphenyl                          | 164       | S1+       | 70 - 130 |      |       |   | 08/21/24 16:18 | 08/22/24 14:30 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 548    |           | 25.1 | 1.98 | mg/Kg |   |          | 08/21/24 13:54 | 5       |

Client Sample ID: CSW-08-0-4-20240820

Lab Sample ID: 880-47494-17

Date Collected: 08/20/24 15:00

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 436    |           | 5.01 | 0.396 | mg/Kg |   |          | 08/21/24 14:00 | 1       |

Client Sample ID: CSW-09-0-4-20240820

Lab Sample ID: 880-47494-18

Date Collected: 08/20/24 15:15

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 436    |           | 5.01 | 0.396 | mg/Kg |   |          | 08/21/24 14:06 | 1       |

Client Sample ID: CSW-09-Dup-0-4-20240820

Lab Sample ID: 880-47494-19

Date Collected: 08/20/24 15:15

Matrix: Solid

Date Received: 08/21/24 08:00

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 499    |           | 5.01 | 0.396 | mg/Kg |   |          | 08/21/24 14:13 | 1       |

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## Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID       | BFB1<br>(70-130) | DFBZ1<br>(70-130) |
|--------------------|------------------------|------------------|-------------------|
| 880-47494-11       | CSB-111-3.0-20240820   | 108              | 95                |
| 880-47494-13       | CSW-01-0-3-20240820    | 104              | 95                |
| 880-47494-14       | CSB-028-3.0-20240820   | 110              | 99                |
| 880-47494-15       | CSB-038-3.0-20240820   | 112              | 96                |
| 880-47494-16       | CSB-039-3.0-20240820   | 111              | 99                |
| 890-7030-A-1-D MS  | Matrix Spike           | 97               | 106               |
| 890-7030-A-1-E MSD | Matrix Spike Duplicate | 103              | 112               |
| LCS 880-89029/1-A  | Lab Control Sample     | 96               | 102               |
| LCSD 880-89029/2-A | Lab Control Sample Dup | 98               | 107               |
| MB 880-89029/5-A   | Method Blank           | 96               | 91                |

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID        | Client Sample ID       | 1CO1<br>(70-130) | OTPH1<br>(70-130) |
|----------------------|------------------------|------------------|-------------------|
| 820-14928-A-40-C MS  | Matrix Spike           | 139 S1+          | 128               |
| 820-14928-A-40-D MSD | Matrix Spike Duplicate | 123              | 112               |
| 880-47494-11         | CSB-111-3.0-20240820   | 90               | 95                |
| 880-47494-13         | CSW-01-0-3-20240820    | 80               | 87                |
| 880-47494-14         | CSB-028-3.0-20240820   | 106              | 105               |
| 880-47494-15         | CSB-038-3.0-20240820   | 189 S1+          | 193 S1+           |
| 880-47494-16         | CSB-039-3.0-20240820   | 162 S1+          | 164 S1+           |
| 880-47494-A-14-D MS  | 880-47494-A-14-D MS    | 201 S1+          | 187 S1+           |
| 880-47494-A-14-E MSD | 880-47494-A-14-E MSD   | 203 S1+          | 194 S1+           |
| 890-7020-A-41-D MS   | Matrix Spike           | 93               | 95                |
| 890-7020-A-41-E MSD  | Matrix Spike Duplicate | 92               | 94                |
| LCS 880-89068/2-A    | Lab Control Sample     | 85               | 93                |
| LCS 880-89106/2-A    | Lab Control Sample     | 108              | 131 S1+           |
| LCS 880-89508/2-A    | Lab Control Sample     | 131 S1+          | 143 S1+           |
| LCSD 880-89068/3-A   | Lab Control Sample Dup | 76               | 84                |
| LCSD 880-89106/3-A   | Lab Control Sample Dup | 107              | 129               |
| LCSD 880-89508/3-A   | Lab Control Sample Dup | 105              | 143 S1+           |
| MB 880-89068/1-A     | Method Blank           | 63 S1-           | 71                |
| MB 880-89106/1-A     | Method Blank           | 146 S1+          | 152 S1+           |
| MB 880-89508/1-A     | Method Blank           | 105              | 106               |

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-89029/5-A

Matrix: Solid

Analysis Batch: 89015

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89029

| Analyte             | MB Result | MB Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139  | U            | 0.00200 | 0.00139 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 11:51 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 | 0.00200 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 11:51 | 1       |
| Ethylbenzene        | <0.00109  | U            | 0.00200 | 0.00109 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 11:51 | 1       |
| m-Xylene & p-Xylene | <0.00229  | U            | 0.00400 | 0.00229 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 11:51 | 1       |
| o-Xylene            | <0.00158  | U            | 0.00200 | 0.00158 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 11:51 | 1       |
| Xylenes, Total      | <0.00229  | U            | 0.00400 | 0.00229 | mg/Kg |   | 08/21/24 09:24 | 08/21/24 11:51 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 96           |              | 70 - 130 | 08/21/24 09:24 | 08/21/24 11:51 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91           |              | 70 - 130 | 08/21/24 09:24 | 08/21/24 11:51 | 1       |

Lab Sample ID: LCS 880-89029/1-A

Matrix: Solid

Analysis Batch: 89015

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89029

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.09359    |               | mg/Kg |   | 94   | 70 - 130    |
| Toluene             | 0.100       | 0.08595    |               | mg/Kg |   | 86   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.08758    |               | mg/Kg |   | 88   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1765     |               | mg/Kg |   | 88   | 70 - 130    |
| o-Xylene            | 0.100       | 0.09042    |               | mg/Kg |   | 90   | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 96            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102           |               | 70 - 130 |

Lab Sample ID: LCSD 880-89029/2-A

Matrix: Solid

Analysis Batch: 89015

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89029

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.1081      |                | mg/Kg |   | 108  | 70 - 130    | 14  | 35        |
| Toluene             | 0.100       | 0.09787     |                | mg/Kg |   | 98   | 70 - 130    | 13  | 35        |
| Ethylbenzene        | 0.100       | 0.09983     |                | mg/Kg |   | 100  | 70 - 130    | 13  | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.2007      |                | mg/Kg |   | 100  | 70 - 130    | 13  | 35        |
| o-Xylene            | 0.100       | 0.1018      |                | mg/Kg |   | 102  | 70 - 130    | 12  | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 98             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 107            |                | 70 - 130 |

Lab Sample ID: 890-7030-A-1-D MS

Matrix: Solid

Analysis Batch: 89015

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89029

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00139      | U                | 0.100       | 0.1029    |              | mg/Kg |   | 103  | 70 - 130    |
| Toluene | <0.00200      | U                | 0.100       | 0.09175   |              | mg/Kg |   | 92   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-7030-A-1-D MS

Matrix: Solid

Analysis Batch: 89015

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89029

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00109      | U                | 0.100       | 0.09234   |              | mg/Kg |   | 92   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00228      | U                | 0.200       | 0.1847    |              | mg/Kg |   | 92   | 70 - 130    |
| o-Xylene            | <0.00158      | U                | 0.100       | 0.09277   |              | mg/Kg |   | 93   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 97           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106          |              | 70 - 130 |

Lab Sample ID: 890-7030-A-1-E MSD

Matrix: Solid

Analysis Batch: 89015

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 89029

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-------|
| Benzene             | <0.00139      | U                | 0.100       | 0.1126     |               | mg/Kg |   | 113  | 70 - 130    | 9   | 35    |
| Toluene             | <0.00200      | U                | 0.100       | 0.1014     |               | mg/Kg |   | 101  | 70 - 130    | 10  | 35    |
| Ethylbenzene        | <0.00109      | U                | 0.100       | 0.1021     |               | mg/Kg |   | 102  | 70 - 130    | 10  | 35    |
| m-Xylene & p-Xylene | <0.00228      | U                | 0.200       | 0.2038     |               | mg/Kg |   | 102  | 70 - 130    | 10  | 35    |
| o-Xylene            | <0.00158      | U                | 0.100       | 0.1025     |               | mg/Kg |   | 103  | 70 - 130    | 10  | 35    |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 103           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 112           |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-89068/1-A

Matrix: Solid

Analysis Batch: 89062

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89068

| Analyte                              | MB Result | MB Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U            | 50.0 | 14.5 | mg/Kg |   | 08/21/24 08:00 | 08/21/24 09:11 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U            | 50.0 | 15.1 | mg/Kg |   | 08/21/24 08:00 | 08/21/24 09:11 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U            | 50.0 | 15.1 | mg/Kg |   | 08/21/24 08:00 | 08/21/24 09:11 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 63           | S1-          | 70 - 130 | 08/21/24 08:00 | 08/21/24 09:11 | 1       |
| o-Terphenyl    | 71           |              | 70 - 130 | 08/21/24 08:00 | 08/21/24 09:11 | 1       |

Lab Sample ID: LCS 880-89068/2-A

Matrix: Solid

Analysis Batch: 89062

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89068

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 841.0      |               | mg/Kg |   | 84   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 919.1      |               | mg/Kg |   | 92   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-89068/2-A  
Matrix: Solid  
Analysis Batch: 89062

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 89068

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 85        |           | 70 - 130 |
| o-Terphenyl    | 93        |           | 70 - 130 |

Lab Sample ID: LCSD 880-89068/3-A  
Matrix: Solid  
Analysis Batch: 89062

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 89068

| Analyte                                 |           |           | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-----------------------------------------|-----------|-----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 |           |           | 1000           | 744.9          |                   | mg/Kg |   | 74   | 70 - 130       | 12  | 20           |
| Diesel Range Organics (Over<br>C10-C28) |           |           | 1000           | 825.4          |                   | mg/Kg |   | 83   | 70 - 130       | 11  | 20           |
| Surrogate                               |           | LCSD      | LCSD           |                |                   |       |   |      |                |     |              |
|                                         | %Recovery | Qualifier | Limits         |                |                   |       |   |      |                |     |              |
| 1-Chlorooctane                          | 76        |           | 70 - 130       |                |                   |       |   |      |                |     |              |
| o-Terphenyl                             | 84        |           | 70 - 130       |                |                   |       |   |      |                |     |              |

Lab Sample ID: 890-7020-A-41-D MS  
Matrix: Solid  
Analysis Batch: 89062

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 89068

| Analyte                                 | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |  |  |
|-----------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|--|--|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5            | U                   | 1000           | 833.1        |                 | mg/Kg |   | 83   | 70 - 130       |  |  |
| Diesel Range Organics (Over<br>C10-C28) | 15.2             | J                   | 1000           | 872.6        |                 | mg/Kg |   | 86   | 70 - 130       |  |  |
| Surrogate                               |                  | MS                  | MS             |              |                 |       |   |      |                |  |  |
|                                         | %Recovery        | Qualifier           | Limits         |              |                 |       |   |      |                |  |  |
| 1-Chlorooctane                          | 93               |                     | 70 - 130       |              |                 |       |   |      |                |  |  |
| o-Terphenyl                             | 95               |                     | 70 - 130       |              |                 |       |   |      |                |  |  |

Lab Sample ID: 890-7020-A-41-E MSD  
Matrix: Solid  
Analysis Batch: 89062

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 89068

| Analyte                                 | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-----------------------------------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5            | U                   | 1000           | 763.0         |                  | mg/Kg |   | 76   | 70 - 130       | 9   | 20           |
| Diesel Range Organics (Over<br>C10-C28) | 15.2             | J                   | 1000           | 851.2         |                  | mg/Kg |   | 83   | 70 - 130       | 2   | 20           |
| Surrogate                               |                  | MSD                 | MSD            |               |                  |       |   |      |                |     |              |
|                                         | %Recovery        | Qualifier           | Limits         |               |                  |       |   |      |                |     |              |
| 1-Chlorooctane                          | 92               |                     | 70 - 130       |               |                  |       |   |      |                |     |              |
| o-Terphenyl                             | 94               |                     | 70 - 130       |               |                  |       |   |      |                |     |              |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-89106/1-A

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89106

| Analyte                              | MB<br>Result | MB<br>Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|-----------------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5        | U               | 50.0 | 14.5 | mg/Kg |   | 08/21/24 16:18 | 08/22/24 10:37 | 1       |
| Diesel Range Organics (Over C10-C28) | 24.80        | J               | 50.0 | 15.1 | mg/Kg |   | 08/21/24 16:18 | 08/22/24 10:37 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1        | U               | 50.0 | 15.1 | mg/Kg |   | 08/21/24 16:18 | 08/22/24 10:37 | 1       |

| Surrogate      | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 146             | S1+             | 70 - 130 | 08/21/24 16:18 | 08/22/24 10:37 | 1       |
| o-Terphenyl    | 152             | S1+             | 70 - 130 | 08/21/24 16:18 | 08/22/24 10:37 | 1       |

Lab Sample ID: LCS 880-89106/2-A

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89106

| Analyte                              | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000           | 992.2         |                  | mg/Kg |   | 99   | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 1000           | 1195          |                  | mg/Kg |   | 119  | 70 - 130       |

| Surrogate      | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|----------------|------------------|------------------|----------|
| 1-Chlorooctane | 108              |                  | 70 - 130 |
| o-Terphenyl    | 131              | S1+              | 70 - 130 |

Lab Sample ID: LCSD 880-89106/3-A

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89106

| Analyte                              | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000           | 978.9          |                   | mg/Kg |   | 98   | 70 - 130       | 1   | 20           |
| Diesel Range Organics (Over C10-C28) | 1000           | 1264           |                   | mg/Kg |   | 126  | 70 - 130       | 6   | 20           |

| Surrogate      | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|----------------|-------------------|-------------------|----------|
| 1-Chlorooctane | 107               |                   | 70 - 130 |
| o-Terphenyl    | 129               |                   | 70 - 130 |

Lab Sample ID: 880-47494-A-14-D MS

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: 880-47494-A-14-D MS

Prep Type: Total/NA

Prep Batch: 89106

| Analyte                              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5            | U                   | 998            | 972.2        |                 | mg/Kg |   | 97   | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 147              | B                   | 998            | 1200         |                 | mg/Kg |   | 106  | 70 - 130       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-47494-A-14-D MS

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: 880-47494-A-14-D MS

Prep Type: Total/NA

Prep Batch: 89106

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 201       | S1+       | 70 - 130 |
| o-Terphenyl    | 187       | S1+       | 70 - 130 |

Lab Sample ID: 880-47494-A-14-E MSD

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: 880-47494-A-14-E MSD

Prep Type: Total/NA

Prep Batch: 89106

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 998         | 979.2      |               | mg/Kg |   | 98   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | 147           | B                | 998         | 1256       |               | mg/Kg |   | 111  | 70 - 130    | 5   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 203       | S1+       | 70 - 130 |
| o-Terphenyl    | 194       | S1+       | 70 - 130 |

Lab Sample ID: MB 880-89508/1-A

Matrix: Solid

Analysis Batch: 89523

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89508

| Analyte                              | MB Result | MB Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U            | 50.0 | 14.5 | mg/Kg |   | 08/27/24 14:55 | 08/28/24 19:57 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U            | 50.0 | 15.1 | mg/Kg |   | 08/27/24 14:55 | 08/28/24 19:57 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U            | 50.0 | 15.1 | mg/Kg |   | 08/27/24 14:55 | 08/28/24 19:57 | 1       |

|                | MB        | MB        |          | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| Surrogate      | %Recovery | Qualifier | Limits   |                |                |         |
| 1-Chlorooctane | 105       |           | 70 - 130 | 08/27/24 14:55 | 08/28/24 19:57 | 1       |
| o-Terphenyl    | 106       |           | 70 - 130 | 08/27/24 14:55 | 08/28/24 19:57 | 1       |

Lab Sample ID: LCS 880-89508/2-A

Matrix: Solid

Analysis Batch: 89523

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89508

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1124       |               | mg/Kg |   | 112  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1388       | *+            | mg/Kg |   | 139  | 70 - 130    |

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 131       | S1+       | 70 - 130 |
| o-Terphenyl    | 143       | S1+       | 70 - 130 |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-89508/3-A

Matrix: Solid

Analysis Batch: 89523

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89508

| Analyte                              | Spike Added    | LCSD Result    | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|----------------|----------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000           | 1127           |                | mg/Kg |   | 113  | 70 - 130    | 0   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000           | 1473           | *+             | mg/Kg |   | 147  | 70 - 130    | 6   | 20        |
| Surrogate                            | LCSD %Recovery | LCSD Qualifier | Limits         |       |   |      |             |     |           |
| 1-Chlorooctane                       | 105            |                | 70 - 130       |       |   |      |             |     |           |
| o-Terphenyl                          | 143            | S1+            | 70 - 130       |       |   |      |             |     |           |

Lab Sample ID: 820-14928-A-40-C MS

Matrix: Solid

Analysis Batch: 89523

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89508

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 998         | 1001      |              | mg/Kg |   | 100  | 70 - 130    |     |           |
| Diesel Range Organics (Over C10-C28) | 87.5          | *+               | 998         | 1316      |              | mg/Kg |   | 123  | 70 - 130    |     |           |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |     |           |
| 1-Chlorooctane                       | 139           | S1+              | 70 - 130    |           |              |       |   |      |             |     |           |
| o-Terphenyl                          | 128           |                  | 70 - 130    |           |              |       |   |      |             |     |           |

Lab Sample ID: 820-14928-A-40-D MSD

Matrix: Solid

Analysis Batch: 89523

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 89508

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 998         | 884.9      |               | mg/Kg |   | 89   | 70 - 130    | 12  | 20        |
| Diesel Range Organics (Over C10-C28) | 87.5          | *+               | 998         | 1140       |               | mg/Kg |   | 105  | 70 - 130    | 14  | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 123           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 112           |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-89044/1-A

Matrix: Solid

Analysis Batch: 89057

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395    | U            | 5.00 | 0.395 | mg/Kg |   |          | 08/21/24 11:17 | 1       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-89044/2-A  
Matrix: Solid  
Analysis Batch: 89057

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 237.7      |               | mg/Kg |   | 95   | 90 - 110    |

Lab Sample ID: LCSD 880-89044/3-A  
Matrix: Solid  
Analysis Batch: 89057

Client Sample ID: Lab Control Sample Dup  
Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 238.0       |                | mg/Kg |   | 95   | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-47494-1 MS  
Matrix: Solid  
Analysis Batch: 89057

Client Sample ID: CSB-079-4.5-20240820  
Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 181           |                  | 251         | 422.5     |              | mg/Kg |   | 96   | 90 - 110    |

Lab Sample ID: 880-47494-1 MSD  
Matrix: Solid  
Analysis Batch: 89057

Client Sample ID: CSB-079-4.5-20240820  
Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 181           |                  | 251         | 422.2      |               | mg/Kg |   | 96   | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-47494-11 MS  
Matrix: Solid  
Analysis Batch: 89057

Client Sample ID: CSB-111-3.0-20240820  
Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 509           | F1               | 1250        | 1999      | F1           | mg/Kg |   | 119  | 90 - 110    |

Lab Sample ID: 880-47494-11 MSD  
Matrix: Solid  
Analysis Batch: 89057

Client Sample ID: CSB-111-3.0-20240820  
Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 509           | F1               | 1250        | 1992       | F1            | mg/Kg |   | 119  | 90 - 110    | 0   | 20        |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

## GC VOA

## Analysis Batch: 89015

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-47494-11       | CSB-111-3.0-20240820   | Total/NA  | Solid  | 8021B  | 89029      |
| 880-47494-13       | CSW-01-0-3-20240820    | Total/NA  | Solid  | 8021B  | 89029      |
| 880-47494-14       | CSB-028-3.0-20240820   | Total/NA  | Solid  | 8021B  | 89029      |
| 880-47494-15       | CSB-038-3.0-20240820   | Total/NA  | Solid  | 8021B  | 89029      |
| 880-47494-16       | CSB-039-3.0-20240820   | Total/NA  | Solid  | 8021B  | 89029      |
| MB 880-89029/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 89029      |
| LCS 880-89029/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 89029      |
| LCSD 880-89029/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 89029      |
| 890-7030-A-1-D MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 89029      |
| 890-7030-A-1-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 89029      |

## Prep Batch: 89029

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-47494-11       | CSB-111-3.0-20240820   | Total/NA  | Solid  | 5035   |            |
| 880-47494-13       | CSW-01-0-3-20240820    | Total/NA  | Solid  | 5035   |            |
| 880-47494-14       | CSB-028-3.0-20240820   | Total/NA  | Solid  | 5035   |            |
| 880-47494-15       | CSB-038-3.0-20240820   | Total/NA  | Solid  | 5035   |            |
| 880-47494-16       | CSB-039-3.0-20240820   | Total/NA  | Solid  | 5035   |            |
| MB 880-89029/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-89029/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-89029/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-7030-A-1-D MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-7030-A-1-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 89157

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method     | Prep Batch |
|---------------|----------------------|-----------|--------|------------|------------|
| 880-47494-11  | CSB-111-3.0-20240820 | Total/NA  | Solid  | Total BTEX |            |
| 880-47494-13  | CSW-01-0-3-20240820  | Total/NA  | Solid  | Total BTEX |            |
| 880-47494-14  | CSB-028-3.0-20240820 | Total/NA  | Solid  | Total BTEX |            |
| 880-47494-15  | CSB-038-3.0-20240820 | Total/NA  | Solid  | Total BTEX |            |
| 880-47494-16  | CSB-039-3.0-20240820 | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 89062

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-47494-11        | CSB-111-3.0-20240820   | Total/NA  | Solid  | 8015B NM | 89068      |
| 880-47494-13        | CSW-01-0-3-20240820    | Total/NA  | Solid  | 8015B NM | 89068      |
| MB 880-89068/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 89068      |
| LCS 880-89068/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 89068      |
| LCSD 880-89068/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 89068      |
| 890-7020-A-41-D MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 89068      |
| 890-7020-A-41-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 89068      |

## Prep Batch: 89068

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-47494-11       | CSB-111-3.0-20240820   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47494-13       | CSW-01-0-3-20240820    | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-89068/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-89068/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-89068/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

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QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

GC Semi VOA (Continued)

Prep Batch: 89068 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-7020-A-41-D MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-7020-A-41-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

Prep Batch: 89106

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|----------------------|------------------------|-----------|--------|-------------|------------|
| 880-47494-15         | CSB-038-3.0-20240820   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47494-16         | CSB-039-3.0-20240820   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-89106/1-A     | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-89106/2-A    | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-89106/3-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47494-A-14-D MS  | 880-47494-A-14-D MS    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47494-A-14-E MSD | 880-47494-A-14-E MSD   | Total/NA  | Solid  | 8015NM Prep |            |

Analysis Batch: 89140

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 880-47494-15         | CSB-038-3.0-20240820   | Total/NA  | Solid  | 8015B NM | 89106      |
| 880-47494-16         | CSB-039-3.0-20240820   | Total/NA  | Solid  | 8015B NM | 89106      |
| MB 880-89106/1-A     | Method Blank           | Total/NA  | Solid  | 8015B NM | 89106      |
| LCS 880-89106/2-A    | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 89106      |
| LCSD 880-89106/3-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 89106      |
| 880-47494-A-14-D MS  | 880-47494-A-14-D MS    | Total/NA  | Solid  | 8015B NM | 89106      |
| 880-47494-A-14-E MSD | 880-47494-A-14-E MSD   | Total/NA  | Solid  | 8015B NM | 89106      |

Analysis Batch: 89174

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method  | Prep Batch |
|---------------|----------------------|-----------|--------|---------|------------|
| 880-47494-11  | CSB-111-3.0-20240820 | Total/NA  | Solid  | 8015 NM |            |
| 880-47494-13  | CSW-01-0-3-20240820  | Total/NA  | Solid  | 8015 NM |            |
| 880-47494-14  | CSB-028-3.0-20240820 | Total/NA  | Solid  | 8015 NM |            |
| 880-47494-15  | CSB-038-3.0-20240820 | Total/NA  | Solid  | 8015 NM |            |
| 880-47494-16  | CSB-039-3.0-20240820 | Total/NA  | Solid  | 8015 NM |            |

Prep Batch: 89508

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|----------------------|------------------------|-----------|--------|-------------|------------|
| 880-47494-14         | CSB-028-3.0-20240820   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-89508/1-A     | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-89508/2-A    | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-89508/3-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 820-14928-A-40-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 820-14928-A-40-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

Analysis Batch: 89523

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 880-47494-14         | CSB-028-3.0-20240820   | Total/NA  | Solid  | 8015B NM | 89508      |
| MB 880-89508/1-A     | Method Blank           | Total/NA  | Solid  | 8015B NM | 89508      |
| LCS 880-89508/2-A    | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 89508      |
| LCSD 880-89508/3-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 89508      |
| 820-14928-A-40-C MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 89508      |
| 820-14928-A-40-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 89508      |



## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

## HPLC/IC

## Leach Batch: 89044

| Lab Sample ID      | Client Sample ID        | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|-------------------------|-----------|--------|----------|------------|
| 880-47494-1        | CSB-079-4.5-20240820    | Soluble   | Solid  | DI Leach |            |
| 880-47494-2        | CSB-080-4.5-20240820    | Soluble   | Solid  | DI Leach |            |
| 880-47494-3        | CSB-081-4.5-20240820    | Soluble   | Solid  | DI Leach |            |
| 880-47494-4        | CSB-012-6.0-20240820    | Soluble   | Solid  | DI Leach |            |
| 880-47494-5        | CSB-030-7.25-20240820   | Soluble   | Solid  | DI Leach |            |
| 880-47494-6        | CSB-020-13.25-20240820  | Soluble   | Solid  | DI Leach |            |
| 880-47494-7        | CSB-010-6.0-20240820    | Soluble   | Solid  | DI Leach |            |
| 880-47494-8        | CSB-105-6.5-20240820    | Soluble   | Solid  | DI Leach |            |
| 880-47494-9        | CSB-108-6.5-20240820    | Soluble   | Solid  | DI Leach |            |
| 880-47494-10       | CSB-109-6.5-20240820    | Soluble   | Solid  | DI Leach |            |
| 880-47494-11       | CSB-111-3.0-20240820    | Soluble   | Solid  | DI Leach |            |
| 880-47494-12       | CSW-07-0-3-20240820     | Soluble   | Solid  | DI Leach |            |
| 880-47494-13       | CSW-01-0-3-20240820     | Soluble   | Solid  | DI Leach |            |
| 880-47494-14       | CSB-028-3.0-20240820    | Soluble   | Solid  | DI Leach |            |
| 880-47494-15       | CSB-038-3.0-20240820    | Soluble   | Solid  | DI Leach |            |
| 880-47494-16       | CSB-039-3.0-20240820    | Soluble   | Solid  | DI Leach |            |
| 880-47494-17       | CSW-08-0-4-20240820     | Soluble   | Solid  | DI Leach |            |
| 880-47494-18       | CSW-09-0-4-20240820     | Soluble   | Solid  | DI Leach |            |
| 880-47494-19       | CSW-09-Dup-0-4-20240820 | Soluble   | Solid  | DI Leach |            |
| MB 880-89044/1-A   | Method Blank            | Soluble   | Solid  | DI Leach |            |
| LCS 880-89044/2-A  | Lab Control Sample      | Soluble   | Solid  | DI Leach |            |
| LCSD 880-89044/3-A | Lab Control Sample Dup  | Soluble   | Solid  | DI Leach |            |
| 880-47494-1 MS     | CSB-079-4.5-20240820    | Soluble   | Solid  | DI Leach |            |
| 880-47494-1 MSD    | CSB-079-4.5-20240820    | Soluble   | Solid  | DI Leach |            |
| 880-47494-11 MS    | CSB-111-3.0-20240820    | Soluble   | Solid  | DI Leach |            |
| 880-47494-11 MSD   | CSB-111-3.0-20240820    | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 89057

| Lab Sample ID      | Client Sample ID        | Prep Type | Matrix | Method | Prep Batch |
|--------------------|-------------------------|-----------|--------|--------|------------|
| 880-47494-1        | CSB-079-4.5-20240820    | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-2        | CSB-080-4.5-20240820    | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-3        | CSB-081-4.5-20240820    | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-4        | CSB-012-6.0-20240820    | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-5        | CSB-030-7.25-20240820   | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-6        | CSB-020-13.25-20240820  | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-7        | CSB-010-6.0-20240820    | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-8        | CSB-105-6.5-20240820    | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-9        | CSB-108-6.5-20240820    | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-10       | CSB-109-6.5-20240820    | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-11       | CSB-111-3.0-20240820    | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-12       | CSW-07-0-3-20240820     | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-13       | CSW-01-0-3-20240820     | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-14       | CSB-028-3.0-20240820    | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-15       | CSB-038-3.0-20240820    | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-16       | CSB-039-3.0-20240820    | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-17       | CSW-08-0-4-20240820     | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-18       | CSW-09-0-4-20240820     | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-19       | CSW-09-Dup-0-4-20240820 | Soluble   | Solid  | 300.0  | 89044      |
| MB 880-89044/1-A   | Method Blank            | Soluble   | Solid  | 300.0  | 89044      |
| LCS 880-89044/2-A  | Lab Control Sample      | Soluble   | Solid  | 300.0  | 89044      |
| LCSD 880-89044/3-A | Lab Control Sample Dup  | Soluble   | Solid  | 300.0  | 89044      |

Eurofins Midland

QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

HPLC/IC (Continued)

Analysis Batch: 89057 (Continued)

| Lab Sample ID    | Client Sample ID     | Prep Type | Matrix | Method | Prep Batch |
|------------------|----------------------|-----------|--------|--------|------------|
| 880-47494-1 MS   | CSB-079-4.5-20240820 | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-1 MSD  | CSB-079-4.5-20240820 | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-11 MS  | CSB-111-3.0-20240820 | Soluble   | Solid  | 300.0  | 89044      |
| 880-47494-11 MSD | CSB-111-3.0-20240820 | Soluble   | Solid  | 300.0  | 89044      |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

**Client Sample ID: CSB-079-4.5-20240820****Lab Sample ID: 880-47494-1****Date Collected: 08/20/24 08:10****Matrix: Solid****Date Received: 08/21/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89057        | 08/21/24 11:35       | CH      | EET MID |

**Client Sample ID: CSB-080-4.5-20240820****Lab Sample ID: 880-47494-2****Date Collected: 08/20/24 08:15****Matrix: Solid****Date Received: 08/21/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89057        | 08/21/24 11:54       | CH      | EET MID |

**Client Sample ID: CSB-081-4.5-20240820****Lab Sample ID: 880-47494-3****Date Collected: 08/20/24 08:20****Matrix: Solid****Date Received: 08/21/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89057        | 08/21/24 12:00       | CH      | EET MID |

**Client Sample ID: CSB-012-6.0-20240820****Lab Sample ID: 880-47494-4****Date Collected: 08/20/24 08:30****Matrix: Solid****Date Received: 08/21/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 89057        | 08/21/24 12:06       | CH      | EET MID |

**Client Sample ID: CSB-030-7.25-20240820****Lab Sample ID: 880-47494-5****Date Collected: 08/20/24 08:45****Matrix: Solid****Date Received: 08/21/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89057        | 08/21/24 12:12       | CH      | EET MID |

**Client Sample ID: CSB-020-13.25-20240820****Lab Sample ID: 880-47494-6****Date Collected: 08/20/24 09:15****Matrix: Solid****Date Received: 08/21/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 89057        | 08/21/24 12:30       | CH      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

**Client Sample ID: CSB-010-6.0-20240820****Lab Sample ID: 880-47494-7****Date Collected: 08/20/24 09:30****Matrix: Solid****Date Received: 08/21/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 89057        | 08/21/24 12:36       | CH      | EET MID |

**Client Sample ID: CSB-105-6.5-20240820****Lab Sample ID: 880-47494-8****Date Collected: 08/20/24 10:30****Matrix: Solid****Date Received: 08/21/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89057        | 08/21/24 12:42       | CH      | EET MID |

**Client Sample ID: CSB-108-6.5-20240820****Lab Sample ID: 880-47494-9****Date Collected: 08/20/24 10:45****Matrix: Solid****Date Received: 08/21/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 89057        | 08/21/24 12:48       | CH      | EET MID |

**Client Sample ID: CSB-109-6.5-20240820****Lab Sample ID: 880-47494-10****Date Collected: 08/20/24 11:00****Matrix: Solid****Date Received: 08/21/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89057        | 08/21/24 12:54       | CH      | EET MID |

**Client Sample ID: CSB-111-3.0-20240820****Lab Sample ID: 880-47494-11****Date Collected: 08/20/24 11:15****Matrix: Solid****Date Received: 08/21/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 89029        | 08/21/24 09:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89015        | 08/21/24 12:54       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89157        | 08/21/24 12:54       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89174        | 08/21/24 19:00       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 89068        | 08/21/24 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89062        | 08/21/24 19:00       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 89057        | 08/21/24 13:00       | CH      | EET MID |

Eurofins Midland



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

**Client Sample ID: CSW-07-0-3-20240820****Lab Sample ID: 880-47494-12****Date Collected: 08/20/24 11:30****Matrix: Solid****Date Received: 08/21/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89057        | 08/21/24 13:18       | CH      | EET MID |

**Client Sample ID: CSW-01-0-3-20240820****Lab Sample ID: 880-47494-13****Date Collected: 08/20/24 13:30****Matrix: Solid****Date Received: 08/21/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 89029        | 08/21/24 09:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89015        | 08/21/24 13:14       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89157        | 08/21/24 13:14       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89174        | 08/21/24 19:16       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 89068        | 08/21/24 15:17       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89062        | 08/21/24 19:16       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89057        | 08/21/24 13:24       | CH      | EET MID |

**Client Sample ID: CSB-028-3.0-20240820****Lab Sample ID: 880-47494-14****Date Collected: 08/20/24 13:45****Matrix: Solid****Date Received: 08/21/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 89029        | 08/21/24 09:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89015        | 08/21/24 13:35       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89157        | 08/21/24 13:35       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89174        | 08/28/24 23:35       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 89508        | 08/27/24 14:55       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89523        | 08/28/24 23:35       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89057        | 08/21/24 13:42       | CH      | EET MID |

**Client Sample ID: CSB-038-3.0-20240820****Lab Sample ID: 880-47494-15****Date Collected: 08/20/24 14:00****Matrix: Solid****Date Received: 08/21/24 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 89029        | 08/21/24 09:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89015        | 08/21/24 13:55       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89157        | 08/21/24 13:55       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89174        | 08/22/24 14:12       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 89106        | 08/21/24 16:18       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89140        | 08/22/24 14:12       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89057        | 08/21/24 13:48       | CH      | EET MID |

Eurofins Midland

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

Client Sample ID: CSB-039-3.0-20240820  
Date Collected: 08/20/24 14:15  
Date Received: 08/21/24 08:00

Lab Sample ID: 880-47494-16  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 89029        | 08/21/24 09:24       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89015        | 08/21/24 14:16       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89157        | 08/21/24 14:16       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89174        | 08/22/24 14:30       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 89106        | 08/21/24 16:18       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89140        | 08/22/24 14:30       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 89057        | 08/21/24 13:54       | CH      | EET MID |

Client Sample ID: CSW-08-0-4-20240820  
Date Collected: 08/20/24 15:00  
Date Received: 08/21/24 08:00

Lab Sample ID: 880-47494-17  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89057        | 08/21/24 14:00       | CH      | EET MID |

Client Sample ID: CSW-09-0-4-20240820  
Date Collected: 08/20/24 15:15  
Date Received: 08/21/24 08:00

Lab Sample ID: 880-47494-18  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89057        | 08/21/24 14:06       | CH      | EET MID |

Client Sample ID: CSW-09-Dup-0-4-20240820  
Date Collected: 08/20/24 15:15  
Date Received: 08/21/24 08:00

Lab Sample ID: 880-47494-19  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 89044        | 08/21/24 10:20       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89057        | 08/21/24 14:13       | CH      | EET MID |

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |

Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47494-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID        | Matrix | Collected      | Received       |
|---------------|-------------------------|--------|----------------|----------------|
| 880-47494-1   | CSB-079-4.5-20240820    | Solid  | 08/20/24 08:10 | 08/21/24 08:00 |
| 880-47494-2   | CSB-080-4.5-20240820    | Solid  | 08/20/24 08:15 | 08/21/24 08:00 |
| 880-47494-3   | CSB-081-4.5-20240820    | Solid  | 08/20/24 08:20 | 08/21/24 08:00 |
| 880-47494-4   | CSB-012-6.0-20240820    | Solid  | 08/20/24 08:30 | 08/21/24 08:00 |
| 880-47494-5   | CSB-030-7.25-20240820   | Solid  | 08/20/24 08:45 | 08/21/24 08:00 |
| 880-47494-6   | CSB-020-13.25-20240820  | Solid  | 08/20/24 09:15 | 08/21/24 08:00 |
| 880-47494-7   | CSB-010-6.0-20240820    | Solid  | 08/20/24 09:30 | 08/21/24 08:00 |
| 880-47494-8   | CSB-105-6.5-20240820    | Solid  | 08/20/24 10:30 | 08/21/24 08:00 |
| 880-47494-9   | CSB-108-6.5-20240820    | Solid  | 08/20/24 10:45 | 08/21/24 08:00 |
| 880-47494-10  | CSB-109-6.5-20240820    | Solid  | 08/20/24 11:00 | 08/21/24 08:00 |
| 880-47494-11  | CSB-111-3.0-20240820    | Solid  | 08/20/24 11:15 | 08/21/24 08:00 |
| 880-47494-12  | CSW-07-0-3-20240820     | Solid  | 08/20/24 11:30 | 08/21/24 08:00 |
| 880-47494-13  | CSW-01-0-3-20240820     | Solid  | 08/20/24 13:30 | 08/21/24 08:00 |
| 880-47494-14  | CSB-028-3.0-20240820    | Solid  | 08/20/24 13:45 | 08/21/24 08:00 |
| 880-47494-15  | CSB-038-3.0-20240820    | Solid  | 08/20/24 14:00 | 08/21/24 08:00 |
| 880-47494-16  | CSB-039-3.0-20240820    | Solid  | 08/20/24 14:15 | 08/21/24 08:00 |
| 880-47494-17  | CSW-08-0-4-20240820     | Solid  | 08/20/24 15:00 | 08/21/24 08:00 |
| 880-47494-18  | CSW-09-0-4-20240820     | Solid  | 08/20/24 15:15 | 08/21/24 08:00 |
| 880-47494-19  | CSW-09-Dup-0-4-20240820 | Solid  | 08/20/24 15:15 | 08/21/24 08:00 |



Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3198  
Little Rock, AR (501) 224-5060

Work Order



880-47494 Chain of Custody

Page 1 of 2

|                  |                          |                         |                         |
|------------------|--------------------------|-------------------------|-------------------------|
| Project Manager: | Brad Wynne               | Bill to: (if different) |                         |
| Company Name:    | <del>Amerco</del> AECOM  | Company Name:           |                         |
| Address:         | 13355 Noel Rd. Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas TX 75240          | City, State ZIP:        |                         |
| Phone:           | 214-471-1829             | Email:                  | Bradley.Wynne@AECOM.com |

|                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                              |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project: N.M.                                                                                                                                                           |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

|                       |                                                                     |                                                                           |                                                                     |                  |                                                                     |  |  |  |  |  |  |  |  |  |  |                                                                   |                            |
|-----------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------|------------------|---------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------|----------------------------|
| Project Name:         | Amerco CTB                                                          | Turn Around                                                               | Pres. Code                                                          | ANALYSIS REQUEST |                                                                     |  |  |  |  |  |  |  |  |  |  | Preservative Codes                                                |                            |
| Project Number:       | 60734207                                                            | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |                                                                     |                  |                                                                     |  |  |  |  |  |  |  |  |  |  | None: NO                                                          | DI Water: H <sub>2</sub> O |
| Project Location:     | Loving, NM                                                          | Due Date:                                                                 | 24 HR                                                               |                  |                                                                     |  |  |  |  |  |  |  |  |  |  | Cool: Cool                                                        | MeOH: Me                   |
| Sampler's Name:       | Janees Lorely                                                       | TAT starts the day received by the lab, if received by 4:30pm             |                                                                     |                  |                                                                     |  |  |  |  |  |  |  |  |  |  | HCL: HC                                                           | HNO <sub>3</sub>           |
| PO #:                 |                                                                     | Temp Blank:                                                               | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Wet Ice:         | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  |  |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| SAMPLE RECEIPT        |                                                                     | Samples Received Intact:                                                  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Thermometer ID:  |                                                                     |  |  |  |  |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
| Cooler Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Correction Factor:                                                        |                                                                     |                  |                                                                     |  |  |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS                                        |                            |
| Sample Custody Seals: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Temperature Reading:                                                      | 1.7                                                                 |                  |                                                                     |  |  |  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
| Total Containers:     |                                                                     | Corrected Temperature:                                                    | 1.4                                                                 |                  |                                                                     |  |  |  |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn                                               |                            |

| Sample Identification  | Matrix | Date Sampled | Time Sampled | Depth | Grab Comp | # of Cont | Parameters |  |  |  |  |  |  |  |  |  |  |  | Sample Comments |  |  |  |  |  |  |  |  |  |  |  |
|------------------------|--------|--------------|--------------|-------|-----------|-----------|------------|--|--|--|--|--|--|--|--|--|--|--|-----------------|--|--|--|--|--|--|--|--|--|--|--|
| CSB-079-Y-5-20240820   | Soil   | 8/24/24      | 0810         | 4.5   | C         | 1         | Chlorides  |  |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |
| CSB-080-Y-5-20240820   |        |              | 0815         | 4.5   | C         | 1         |            |  |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |
| CSB-081-Y-5-20240820   |        |              | 0820         | 4.5   | C         | 1         |            |  |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |
| CSB-012-6-0-20240820   |        |              | 0830         | 6.0   | C         | 1         |            |  |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |
| CSB-030-7.25-20240820  |        |              | 0845         | 7.25  | C         | 1         |            |  |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |
| CSB-020-13.25-20240820 |        |              | 0915         | 13.25 | C         | 1         |            |  |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |
| CSB-010-6-0-20240820   |        |              | 0930         | 6.0   | C         | 1         |            |  |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |
| CSB-105-6-5-20240820   |        |              | 1030         | 6.5   | C         | 1         |            |  |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |
| CSB-108-6-5-20240820   |        |              | 1045         | 6.5   | C         | 1         |            |  |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |
| CSB-109-6.5-20240820   |        |              | 1100         | 6.5   | C         | 1         |            |  |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |

|                                              |               |                   |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |                            |    |    |    |   |   |    |
|----------------------------------------------|---------------|-------------------|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|------------------|----------------------------|----|----|----|---|---|----|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM       | Texas 11 | Al | Sb | As | Ba | Be | B  | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | Se | Ag | SiO <sub>2</sub> | Na                         | Sr | Ti | Sn | U | V | Zn |
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010: | 8RCRA    | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se | Ag | Ti | U  |    |   |    |    | Hg:              | 1631 / 245.1 / 7470 / 7471 |    |    |    |   |   |    |

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|                              |                          |              |                              |                          |           |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| 1 <i>[Signature]</i> - AECOM | <i>[Signature]</i>       | 8/24/24 1630 | 2                            |                          |           |
| 3                            |                          |              | 4                            |                          |           |
| 5                            |                          |              | 6                            |                          |           |





## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 898-3189  
Little Rock, AR (501) 224-5060

## Chain of Custody

**Work Order No:**

47494

Page 2 of 2

|                  |                         |                         |                        |
|------------------|-------------------------|-------------------------|------------------------|
| Project Manager: | Brad Wyne               | Bill to: (if different) |                        |
| Company Name:    | AECOM                   | Company Name:           |                        |
| Address:         | 1355 Abel Rd. Suite 400 | Address:                |                        |
| City, State ZIP: | Dallas, TX 75240        | City, State ZIP:        |                        |
| Phone:           | 214-971-1829            | Email:                  | Bradley.Wyne@AECOM.com |

| Work Order Comments                                                                                                                                                              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project: NJ                                                                                                                                                             |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>                                                             |  |

|                                                                   |  |                            |  |                                                                           |  |
|-------------------------------------------------------------------|--|----------------------------|--|---------------------------------------------------------------------------|--|
| Project Name:                                                     |  | Amoco CTB                  |  | Turn Around                                                               |  |
| Project Number:                                                   |  | 60734207                   |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |
| Project Location:                                                 |  | Lowry, NM                  |  | Due Date: 24 HR                                                           |  |
| Sampler's Name:                                                   |  | James Lovey                |  | TAT starts the day received by the lab, if received by 4:30pm             |  |
| PO #:                                                             |  |                            |  |                                                                           |  |
| SAMPLE RECEIPT                                                    |  | Temp Blank:                |  | Wet Ice:                                                                  |  |
| Samples Received Intact:                                          |  | (Key) No                   |  | (Yes) No                                                                  |  |
| Cooler Custody Seals:                                             |  | Yes No N/A                 |  | Thermometer ID:                                                           |  |
| Sample Custody Seals:                                             |  | Yes No N/A                 |  | Correction Factor:                                                        |  |
| Total Containers:                                                 |  |                            |  | Temperature Reading:                                                      |  |
|                                                                   |  | Corrected Temperature:     |  |                                                                           |  |
| Parameters                                                        |  |                            |  | Pres. Code                                                                |  |
| chlorides                                                         |  |                            |  | C                                                                         |  |
| ANALYSIS REQUEST                                                  |  |                            |  |                                                                           |  |
| Preservative Codes                                                |  |                            |  |                                                                           |  |
| None: NO                                                          |  | DI Water: H <sub>2</sub> O |  |                                                                           |  |
| Cool: Cool                                                        |  | MeOH: Me                   |  |                                                                           |  |
| HCL: HC                                                           |  | HNO <sub>3</sub>           |  |                                                                           |  |
| H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |  | NaOH: Na                   |  |                                                                           |  |
| H <sub>3</sub> PO <sub>4</sub> : HP                               |  |                            |  |                                                                           |  |
| NaHSO <sub>4</sub> : NABIS                                        |  |                            |  |                                                                           |  |
| Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |                            |  |                                                                           |  |
| Zn Acetate+NaOH: Zn                                               |  |                            |  |                                                                           |  |
| NaOH+Ascorbic Acid: SAPC                                          |  |                            |  |                                                                           |  |

| Sample Identification  | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Sample Comments |
|------------------------|--------|--------------|--------------|-------|-----------|-----------|-----------------|
| LSB-111-3.0-20240820   | 50:1   | 8/20/24      | 1115         | 3.0   | C         | 1         | X               |
| LSW-07-0-3-20240820    |        |              | 1130         | 0-3   | C         | 1         | X               |
| LSW-01-0-3-20240820    |        |              | 1330         | 0-3   | C         | 1         | X               |
| LSB-028-3.0-20240820   |        |              | 1345         | 3.0   | C         | 1         | X               |
| LSB-038-3.0-20240820   |        |              | 1400         | 3.0   | C         | 1         | X               |
| LSB-039-3.0-20240820   |        |              | 1415         | 3.0   | C         | 1         | X               |
| LSW-08-0-4-20240820    |        |              | 1500         | 0-4   | C         | 1         | X               |
| LSW-09-0-4-20240820    |        |              | 1515         | 0-4   | C         | 1         | X               |
| LSW-04-Dup-04-20240820 |        |              | 1515         | 0-4   | C         | 1         | X               |
| LSW-05-0-3-20240820    |        |              | 1545         | 0-3   | C         | 1         | X               |

| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM Texas 11 | Al    | Sb | As | Ba | Be | B                                                                                                                                                                                                                                                                      | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | Se  | Ag                         | SiO <sub>2</sub> | Na | Sr | Ti | Sn | U | V | Zn |
|----------------------------------------------|---------------|----------------------|-------|----|----|----|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|----|----|----|----|----|----|----|----|---|-----|----------------------------|------------------|----|----|----|----|---|---|----|
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010:    | 8RCRA | Sb | As | Ba | Be | Cd <td>Cr</td> <td>Co</td> <td>Cu</td> <td>Pb</td> <td>Mn</td> <td>Mo</td> <td>Ni</td> <td>Se</td> <td>Ag</td> <td>Ti</td> <td>U</td> <td></td> <td>Hg:</td> <td>1631 / 245.1 / 7470 / 7471</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se | Ag | Ti | U  |   | Hg: | 1631 / 245.1 / 7470 / 7471 |                  |    |    |    |    |   |   |    |

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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time            | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|----------------------|------------------------------|--------------------------|-----------|
| 1 <i>[Signature]</i> - AECOM | <i>[Signature]</i>       | 8/21/04 8:00 PM 1630 | 2                            |                          |           |
| 3                            |                          |                      | 4                            |                          |           |
| 5                            |                          |                      | 6                            |                          |           |

Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47494-1  
SDG Number: Loving, NM

Login Number: 47494  
List Number: 1  
Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/26/2024 4:28:15 PM

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-47558-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/26/2024 4:28:15 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47558-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1+       | Surrogate recovery exceeds control limits, high biased.                                                        |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ▫              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47558-1

Job ID: 880-47558-1

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**Job Narrative**  
**880-47558-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The samples were received on 8/22/2024 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.7°C.

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-112-3.0-20240821 (880-47558-4), CSW-023-0-3-20240821 (880-47558-6) and CSB-005-4.0-20240821 (880-47558-14).

**GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Diesel Range Organics**

Method 8015MOD\_NM: The method blank for preparation batch 880-89106 and analytical batch 880-89140 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction /re-analysis of samples was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-89106/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (880-47494-A-14-C), (880-47494-A-14-D MS) and (880-47494-A-14-E MSD). Percent recoveries are based on the amount spiked.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-89106 and analytical batch 880-89140 was outside the upper control limits.

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-89140 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-89140/21).

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-89260 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD\_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-89249/2-A). Percent recoveries are based on the amount spiked.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-89249/3-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

Client Sample ID: CSB-112-3.0-20240821

Lab Sample ID: 880-47558-4

Date Collected: 08/21/24 11:30

Matrix: Solid

Date Received: 08/22/24 09:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00140 | U         | 0.00201 | 0.00140 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 15:25 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | 0.00201 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 15:25 | 1       |
| Ethylbenzene        | <0.00110 | U         | 0.00201 | 0.00110 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 15:25 | 1       |
| m-Xylene & p-Xylene | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 15:25 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00201 | 0.00159 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 15:25 | 1       |
| Xylenes, Total      | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 15:25 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 | 08/22/24 11:12 | 08/22/24 15:25 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 | 08/22/24 11:12 | 08/22/24 15:25 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg | - |          | 08/22/24 15:25 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg | - |          | 08/22/24 20:09 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 49.8 | 14.5 | mg/Kg | - | 08/21/24 16:18 | 08/22/24 20:09 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1  | U         | 49.8 | 15.1 | mg/Kg | - | 08/21/24 16:18 | 08/22/24 20:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 49.8 | 15.1 | mg/Kg | - | 08/21/24 16:18 | 08/22/24 20:09 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 104       |           | 70 - 130 | 08/21/24 16:18 | 08/22/24 20:09 | 1       |
| o-Terphenyl    | 101       |           | 70 - 130 | 08/21/24 16:18 | 08/22/24 20:09 | 1       |

Client Sample ID: CSW-023-0-3-20240821

Lab Sample ID: 880-47558-6

Date Collected: 08/21/24 13:05

Matrix: Solid

Date Received: 08/22/24 09:00

Sample Depth: 0-3

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 15:46 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 15:46 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 15:46 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 15:46 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 15:46 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 15:46 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 | 08/22/24 11:12 | 08/22/24 15:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 | 08/22/24 11:12 | 08/22/24 15:46 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

Client Sample ID: CSW-023-0-3-20240821  
Date Collected: 08/21/24 13:05  
Date Received: 08/22/24 09:00  
Sample Depth: 0-3

Lab Sample ID: 880-47558-6  
Matrix: Solid

| Method: TAL SOP Total BTEX - Total BTEX Calculation       |           |           |          |         |       |   |                |                |         |
|-----------------------------------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Analyte                                                   | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Total BTEX                                                | <0.00229  | U         | 0.00400  | 0.00229 | mg/Kg | - |                | 08/22/24 15:46 | 1       |
| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)  |           |           |          |         |       |   |                |                |         |
| Analyte                                                   | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Total TPH                                                 | <15.1     | U         | 50.0     | 15.1    | mg/Kg | - |                | 08/23/24 13:24 | 1       |
| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |         |       |   |                |                |         |
| Analyte                                                   | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.5     | U         | 50.0     | 14.5    | mg/Kg | - | 08/23/24 08:56 | 08/23/24 13:24 | 1       |
| Diesel Range Organics (Over C10-C28)                      | <15.1     | U         | 50.0     | 15.1    | mg/Kg | - | 08/23/24 08:56 | 08/23/24 13:24 | 1       |
| Oil Range Organics (Over C28-C36)                         | <15.1     | U         | 50.0     | 15.1    | mg/Kg | - | 08/23/24 08:56 | 08/23/24 13:24 | 1       |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                                            | 88        |           | 70 - 130 |         |       |   | 08/23/24 08:56 | 08/23/24 13:24 | 1       |
| o-Terphenyl                                               | 88        |           | 70 - 130 |         |       |   | 08/23/24 08:56 | 08/23/24 13:24 | 1       |

Client Sample ID: CSB-005-4.0-20240821  
Date Collected: 08/21/24 16:45  
Date Received: 08/22/24 09:00  
Sample Depth: 4.0

Lab Sample ID: 880-47558-14  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC)     |           |           |          |         |       |   |                |                |         |
|-----------------------------------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Analyte                                                   | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene                                                   | <0.00140  | U         | 0.00201  | 0.00140 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 16:06 | 1       |
| Toluene                                                   | <0.00201  | U         | 0.00201  | 0.00201 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 16:06 | 1       |
| Ethylbenzene                                              | <0.00110  | U         | 0.00201  | 0.00110 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 16:06 | 1       |
| m-Xylene & p-Xylene                                       | <0.00230  | U         | 0.00402  | 0.00230 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 16:06 | 1       |
| o-Xylene                                                  | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 16:06 | 1       |
| Xylenes, Total                                            | <0.00230  | U         | 0.00402  | 0.00230 | mg/Kg | - | 08/22/24 11:12 | 08/22/24 16:06 | 1       |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)                               | 113       |           | 70 - 130 |         |       |   | 08/22/24 11:12 | 08/22/24 16:06 | 1       |
| 1,4-Difluorobenzene (Surr)                                | 94        |           | 70 - 130 |         |       |   | 08/22/24 11:12 | 08/22/24 16:06 | 1       |
| Method: TAL SOP Total BTEX - Total BTEX Calculation       |           |           |          |         |       |   |                |                |         |
| Analyte                                                   | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Total BTEX                                                | <0.00230  | U         | 0.00402  | 0.00230 | mg/Kg | - |                | 08/22/24 16:06 | 1       |
| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)  |           |           |          |         |       |   |                |                |         |
| Analyte                                                   | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Total TPH                                                 | 17.8      | J         | 49.9     | 15.1    | mg/Kg | - |                | 08/26/24 13:53 | 1       |
| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |         |       |   |                |                |         |
| Analyte                                                   | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.5     | U         | 49.9     | 14.5    | mg/Kg | - | 08/23/24 09:00 | 08/26/24 13:53 | 1       |
| Diesel Range Organics (Over C10-C28)                      | 17.8      | J         | 49.9     | 15.1    | mg/Kg | - | 08/23/24 09:00 | 08/26/24 13:53 | 1       |
| Oil Range Organics (Over C28-C36)                         | <15.1     | U         | 49.9     | 15.1    | mg/Kg | - | 08/23/24 09:00 | 08/26/24 13:53 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

Client Sample ID: CSB-005-4.0-20240821  
Date Collected: 08/21/24 16:45  
Date Received: 08/22/24 09:00  
Sample Depth: 4.0

Lab Sample ID: 880-47558-14  
Matrix: Solid

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 84        |           | 70 - 130 | 08/23/24 09:00 | 08/26/24 13:53 | 1       |
| o-Terphenyl    | 76        |           | 70 - 130 | 08/23/24 09:00 | 08/26/24 13:53 | 1       |



## Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | BFB1<br>(70-130) | DFBZ1<br>(70-130) |
|---------------------|------------------------|------------------|-------------------|
| 880-47508-A-1-B MS  | Matrix Spike           | 107              | 110               |
| 880-47508-A-1-C MSD | Matrix Spike Duplicate | 96               | 108               |
| 880-47558-4         | CSB-112-3.0-20240821   | 111              | 98                |
| 880-47558-6         | CSW-023-0-3-20240821   | 108              | 96                |
| 880-47558-14        | CSB-005-4.0-20240821   | 113              | 94                |
| LCS 880-89099/1-A   | Lab Control Sample     | 92               | 110               |
| LCSD 880-89099/2-A  | Lab Control Sample Dup | 93               | 111               |
| MB 880-89099/5-A    | Method Blank           | 109              | 97                |

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID        | Client Sample ID       | 1CO1<br>(70-130) | OTPH1<br>(70-130) |
|----------------------|------------------------|------------------|-------------------|
| 880-47494-A-14-D MS  | Matrix Spike           | 201 S1+          | 187 S1+           |
| 880-47494-A-14-E MSD | Matrix Spike Duplicate | 203 S1+          | 194 S1+           |
| 880-47558-4          | CSB-112-3.0-20240821   | 104              | 101               |
| 880-47558-6          | CSW-023-0-3-20240821   | 88               | 88                |
| 880-47558-6 MS       | CSW-023-0-3-20240821   | 89               | 99                |
| 880-47558-6 MSD      | CSW-023-0-3-20240821   | 89               | 98                |
| 880-47558-14         | CSB-005-4.0-20240821   | 84               | 76                |
| 880-47558-14 MS      | CSB-005-4.0-20240821   | 99               | 79                |
| 880-47558-14 MSD     | CSB-005-4.0-20240821   | 80               | 78                |
| LCS 880-89106/2-A    | Lab Control Sample     | 108              | 131 S1+           |
| LCS 880-89249/2-A    | Lab Control Sample     | 141 S1+          | 140 S1+           |
| LCS 880-89251/2-A    | Lab Control Sample     | 101              | 101               |
| LCSD 880-89106/3-A   | Lab Control Sample Dup | 107              | 129               |
| LCSD 880-89249/3-A   | Lab Control Sample Dup | 115              | 139 S1+           |
| LCSD 880-89251/3-A   | Lab Control Sample Dup | 102              | 99                |
| MB 880-89106/1-A     | Method Blank           | 146 S1+          | 152 S1+           |
| MB 880-89249/1-A     | Method Blank           | 90               | 93                |
| MB 880-89251/1-A     | Method Blank           | 91               | 81                |

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-89099/5-A

Matrix: Solid

Analysis Batch: 89129

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89099

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139     | U               | 0.00200 | 0.00139 | mg/Kg |   | 08/21/24 15:50 | 08/22/24 12:24 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | 0.00200 | mg/Kg |   | 08/21/24 15:50 | 08/22/24 12:24 | 1       |
| Ethylbenzene        | <0.00109     | U               | 0.00200 | 0.00109 | mg/Kg |   | 08/21/24 15:50 | 08/22/24 12:24 | 1       |
| m-Xylene & p-Xylene | <0.00229     | U               | 0.00400 | 0.00229 | mg/Kg |   | 08/21/24 15:50 | 08/22/24 12:24 | 1       |
| o-Xylene            | <0.00158     | U               | 0.00200 | 0.00158 | mg/Kg |   | 08/21/24 15:50 | 08/22/24 12:24 | 1       |
| Xylenes, Total      | <0.00229     | U               | 0.00400 | 0.00229 | mg/Kg |   | 08/21/24 15:50 | 08/22/24 12:24 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109             |                 | 70 - 130 | 08/21/24 15:50 | 08/22/24 12:24 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97              |                 | 70 - 130 | 08/21/24 15:50 | 08/22/24 12:24 | 1       |

Lab Sample ID: LCS 880-89099/1-A

Matrix: Solid

Analysis Batch: 89129

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89099

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1065        |                  | mg/Kg |   | 107  | 70 - 130       |
| Toluene             | 0.100          | 0.09521       |                  | mg/Kg |   | 95   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.09725       |                  | mg/Kg |   | 97   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1929        |                  | mg/Kg |   | 96   | 70 - 130       |
| o-Xylene            | 0.100          | 0.09824       |                  | mg/Kg |   | 98   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 92               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 110              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-89099/2-A

Matrix: Solid

Analysis Batch: 89129

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89099

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1173         |                   | mg/Kg |   | 117  | 70 - 130       | 10  | 35           |
| Toluene             | 0.100          | 0.1052         |                   | mg/Kg |   | 105  | 70 - 130       | 10  | 35           |
| Ethylbenzene        | 0.100          | 0.1074         |                   | mg/Kg |   | 107  | 70 - 130       | 10  | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2138         |                   | mg/Kg |   | 107  | 70 - 130       | 10  | 35           |
| o-Xylene            | 0.100          | 0.1080         |                   | mg/Kg |   | 108  | 70 - 130       | 9   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 93                |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 111               |                   | 70 - 130 |

Lab Sample ID: 880-47508-A-1-B MS

Matrix: Solid

Analysis Batch: 89129

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89099

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00139         | U                   | 0.100          | 0.08944      |                 | mg/Kg |   | 89   | 70 - 130       |
| Toluene | <0.00200         | U                   | 0.100          | 0.07470      |                 | mg/Kg |   | 75   | 70 - 130       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-47508-A-1-B MS

Matrix: Solid

Analysis Batch: 89129

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89099

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene                | <0.00109      | U                | 0.100       | 0.07016   |              | mg/Kg |   | 70   | 70 - 130    |
| m-Xylene & p-Xylene         | <0.00228      | U                | 0.200       | 0.1399    |              | mg/Kg |   | 70   | 70 - 130    |
| o-Xylene                    | <0.00158      | U                | 0.100       | 0.07269   |              | mg/Kg |   | 73   | 70 - 130    |
| Surrogate                   | MS %Recovery  | MS Qualifier     | MS Limits   |           |              |       |   |      |             |
| 4-Bromofluorobenzene (Surr) | 107           |                  | 70 - 130    |           |              |       |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 110           |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 880-47508-A-1-C MSD

Matrix: Solid

Analysis Batch: 89129

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 89099

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene                     | <0.00139      | U                | 0.100       | 0.1008     |               | mg/Kg |   | 101  | 70 - 130    | 12  | 35        |
| Toluene                     | <0.00200      | U                | 0.100       | 0.08649    |               | mg/Kg |   | 86   | 70 - 130    | 15  | 35        |
| Ethylbenzene                | <0.00109      | U                | 0.100       | 0.08261    |               | mg/Kg |   | 83   | 70 - 130    | 16  | 35        |
| m-Xylene & p-Xylene         | <0.00228      | U                | 0.200       | 0.1639     |               | mg/Kg |   | 82   | 70 - 130    | 16  | 35        |
| o-Xylene                    | <0.00158      | U                | 0.100       | 0.08326    |               | mg/Kg |   | 83   | 70 - 130    | 14  | 35        |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | MSD Limits  |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 96            |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 108           |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-89106/1-A

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89106

| Analyte                              | MB Result    | MB Qualifier | RL        | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5        | U            | 50.0      | 14.5 | mg/Kg |   | 08/21/24 16:18 | 08/22/24 10:37 | 1       |
| Diesel Range Organics (Over C10-C28) | 24.80        | J            | 50.0      | 15.1 | mg/Kg |   | 08/21/24 16:18 | 08/22/24 10:37 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1        | U            | 50.0      | 15.1 | mg/Kg |   | 08/21/24 16:18 | 08/22/24 10:37 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | MB Limits |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 146          | S1+          | 70 - 130  |      |       |   | 08/21/24 16:18 | 08/22/24 10:37 | 1       |
| o-Terphenyl                          | 152          | S1+          | 70 - 130  |      |       |   | 08/21/24 16:18 | 08/22/24 10:37 | 1       |

Lab Sample ID: LCS 880-89106/2-A

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89106

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 992.2      |               | mg/Kg |   | 99   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1195       |               | mg/Kg |   | 119  | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-89106/2-A

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89106

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 108       |           | 70 - 130 |
| o-Terphenyl    | 131       | S1+       | 70 - 130 |

Lab Sample ID: LCSD 880-89106/3-A

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89106

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 978.9       |                | mg/Kg |   | 98   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1264        |                | mg/Kg |   | 126  | 70 - 130    | 6   | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 107       |           | 70 - 130 |
| o-Terphenyl    | 129       |           | 70 - 130 |

Lab Sample ID: 880-47494-A-14-D MS

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89106

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 998         | 972.2     |              | mg/Kg |   | 97   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 147           | B                | 998         | 1200      |              | mg/Kg |   | 106  | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 201       | S1+       | 70 - 130 |
| o-Terphenyl    | 187       | S1+       | 70 - 130 |

Lab Sample ID: 880-47494-A-14-E MSD

Matrix: Solid

Analysis Batch: 89140

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 89106

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 998         | 979.2      |               | mg/Kg |   | 98   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | 147           | B                | 998         | 1256       |               | mg/Kg |   | 111  | 70 - 130    | 5   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 203       | S1+       | 70 - 130 |
| o-Terphenyl    | 194       | S1+       | 70 - 130 |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-89249/1-A

Matrix: Solid

Analysis Batch: 89260

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89249

| Analyte                              | MB<br>Result    | MB<br>Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------------|-----------------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5           | U               | 50.0     | 14.5 | mg/Kg |   | 08/23/24 08:56 | 08/23/24 10:24 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1           | U               | 50.0     | 15.1 | mg/Kg |   | 08/23/24 08:56 | 08/23/24 10:24 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1           | U               | 50.0     | 15.1 | mg/Kg |   | 08/23/24 08:56 | 08/23/24 10:24 | 1       |
| Surrogate                            | MB<br>%Recovery | MB<br>Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 90              |                 | 70 - 130 |      |       |   | 08/23/24 08:56 | 08/23/24 10:24 | 1       |
| o-Terphenyl                          | 93              |                 | 70 - 130 |      |       |   | 08/23/24 08:56 | 08/23/24 10:24 | 1       |

Lab Sample ID: LCS 880-89249/2-A

Matrix: Solid

Analysis Batch: 89260

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89249

| Analyte                              | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000             | 1035             |                  | mg/Kg |   | 103  | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 1000             | 1232             |                  | mg/Kg |   | 123  | 70 - 130       |
| Surrogate                            | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| 1-Chlorooctane                       | 141              | S1+              | 70 - 130         |       |   |      |                |
| o-Terphenyl                          | 140              | S1+              | 70 - 130         |       |   |      |                |

Lab Sample ID: LCSD 880-89249/3-A

Matrix: Solid

Analysis Batch: 89260

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89249

| Analyte                              | Spike<br>Added    | LCSD<br>Result    | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|-------------------|-------------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000              | 1051              |                   | mg/Kg |   | 105  | 70 - 130       | 2   | 20           |
| Diesel Range Organics (Over C10-C28) | 1000              | 1263              |                   | mg/Kg |   | 126  | 70 - 130       | 3   | 20           |
| Surrogate                            | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits            |       |   |      |                |     |              |
| 1-Chlorooctane                       | 115               |                   | 70 - 130          |       |   |      |                |     |              |
| o-Terphenyl                          | 139               | S1+               | 70 - 130          |       |   |      |                |     |              |

Lab Sample ID: 880-47558-6 MS

Matrix: Solid

Analysis Batch: 89260

Client Sample ID: CSW-023-0-3-20240821

Prep Type: Total/NA

Prep Batch: 89249

| Analyte                              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5            | U                   | 997            | 840.2        |                 | mg/Kg |   | 84   | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | <15.1            | U                   | 997            | 1001         |                 | mg/Kg |   | 100  | 70 - 130       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-47558-6 MS

Matrix: Solid

Analysis Batch: 89260

Client Sample ID: CSW-023-0-3-20240821

Prep Type: Total/NA

Prep Batch: 89249

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 89        |           | 70 - 130 |
| o-Terphenyl    | 99        |           | 70 - 130 |

Lab Sample ID: 880-47558-6 MSD

Matrix: Solid

Analysis Batch: 89260

Client Sample ID: CSW-023-0-3-20240821

Prep Type: Total/NA

Prep Batch: 89249

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 997         | 845.9      |               | mg/Kg |   | 85   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <15.1         | U                | 997         | 1000       |               | mg/Kg |   | 100  | 70 - 130    | 0   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 89            |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 98            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

Lab Sample ID: MB 880-89251/1-A

Matrix: Solid

Analysis Batch: 89390

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89251

| Analyte                              | MB Result    | MB Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5        | U            | 50.0     | 14.5 | mg/Kg |   | 08/23/24 09:00 | 08/26/24 10:02 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1        | U            | 50.0     | 15.1 | mg/Kg |   | 08/23/24 09:00 | 08/26/24 10:02 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1        | U            | 50.0     | 15.1 | mg/Kg |   | 08/23/24 09:00 | 08/26/24 10:02 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 91           |              | 70 - 130 |      |       |   | 08/23/24 09:00 | 08/26/24 10:02 | 1       |
| o-Terphenyl                          | 81           |              | 70 - 130 |      |       |   | 08/23/24 09:00 | 08/26/24 10:02 | 1       |

Lab Sample ID: LCS 880-89251/2-A

Matrix: Solid

Analysis Batch: 89390

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89251

| Analyte                              | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|---------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000          | 922.6         |               | mg/Kg |   | 92   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000          | 1002          |               | mg/Kg |   | 100  | 70 - 130    |
| Surrogate                            | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |             |
| 1-Chlorooctane                       | 101           |               | 70 - 130      |       |   |      |             |
| o-Terphenyl                          | 101           |               | 70 - 130      |       |   |      |             |

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QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-89251/3-A

Matrix: Solid

Analysis Batch: 89390

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89251

| Analyte                              |  |           |           | Spike    | LCSD   | LCSD      | Unit  | D | %Rec | %Rec     | RPD |       |
|--------------------------------------|--|-----------|-----------|----------|--------|-----------|-------|---|------|----------|-----|-------|
|                                      |  |           |           | Added    | Result | Qualifier |       |   |      | Limits   | RPD | Limit |
| Gasoline Range Organics (GRO)-C6-C10 |  |           |           | 1000     | 948.0  |           | mg/Kg |   | 95   | 70 - 130 | 3   | 20    |
| Diesel Range Organics (Over C10-C28) |  |           |           | 1000     | 1007   |           | mg/Kg |   | 101  | 70 - 130 | 1   | 20    |
|                                      |  |           |           |          |        |           |       |   |      |          |     |       |
|                                      |  | LCSD      | LCSD      |          |        |           |       |   |      |          |     |       |
| Surrogate                            |  | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |     |       |
| 1-Chlorooctane                       |  | 102       |           | 70 - 130 |        |           |       |   |      |          |     |       |
| o-Terphenyl                          |  | 99        |           | 70 - 130 |        |           |       |   |      |          |     |       |

**Lab Sample ID: 880-47558-14 MS**  
**Matrix: Solid**  
**Analysis Batch: 89390**

**Client Sample ID: CSB-005-4.0-20240821**  
**Prep Type: Total/NA**  
**Prep Batch: 89251**

| Analyte                              | Sample | Sample    | Spike     | MS       | MS        | Unit  | D | %Rec | %Rec     | RPD |       |
|--------------------------------------|--------|-----------|-----------|----------|-----------|-------|---|------|----------|-----|-------|
|                                      | Result | Qualifier | Added     | Result   | Qualifier |       |   |      | Limits   | RPD | Limit |
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 1000      | 801.3    |           | mg/Kg |   | 80   | 70 - 130 |     |       |
| Diesel Range Organics (Over C10-C28) | 17.8   | J         | 1000      | 777.1    |           | mg/Kg |   | 76   | 70 - 130 |     |       |
|                                      |        |           |           |          |           |       |   |      |          |     |       |
|                                      |        | MS        | MS        |          |           |       |   |      |          |     |       |
| Surrogate                            |        | %Recovery | Qualifier | Limits   |           |       |   |      |          |     |       |
| 1-Chlorooctane                       |        | 99        |           | 70 - 130 |           |       |   |      |          |     |       |
| o-Terphenyl                          |        | 79        |           | 70 - 130 |           |       |   |      |          |     |       |

**Lab Sample ID: 880-47558-14 MSD**  
**Matrix: Solid**  
**Analysis Batch: 89390**

**Client Sample ID: CSB-005-4.0-20240821**  
**Prep Type: Total/NA**  
**Prep Batch: 89251**

| Analyte                              | Sample | Sample    | Spike     | MSD      | MSD       | Unit  | D | %Rec | %Rec     | RPD |       |
|--------------------------------------|--------|-----------|-----------|----------|-----------|-------|---|------|----------|-----|-------|
|                                      | Result | Qualifier | Added     | Result   | Qualifier |       |   |      | Limits   | RPD | Limit |
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 1000      | 820.2    |           | mg/Kg |   | 82   | 70 - 130 | 2   | 20    |
| Diesel Range Organics (Over C10-C28) | 17.8   | J         | 1000      | 821.1    |           | mg/Kg |   | 80   | 70 - 130 | 5   | 20    |
|                                      |        |           |           |          |           |       |   |      |          |     |       |
|                                      |        | MSD       | MSD       |          |           |       |   |      |          |     |       |
| Surrogate                            |        | %Recovery | Qualifier | Limits   |           |       |   |      |          |     |       |
| 1-Chlorooctane                       |        | 80        |           | 70 - 130 |           |       |   |      |          |     |       |
| o-Terphenyl                          |        | 78        |           | 70 - 130 |           |       |   |      |          |     |       |

## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

## GC VOA

## Prep Batch: 89099

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-47558-4         | CSB-112-3.0-20240821   | Total/NA  | Solid  | 5035   |            |
| 880-47558-6         | CSW-023-0-3-20240821   | Total/NA  | Solid  | 5035   |            |
| 880-47558-14        | CSB-005-4.0-20240821   | Total/NA  | Solid  | 5035   |            |
| MB 880-89099/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-89099/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-89099/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-47508-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-47508-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 89129

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-47558-4         | CSB-112-3.0-20240821   | Total/NA  | Solid  | 8021B  | 89099      |
| 880-47558-6         | CSW-023-0-3-20240821   | Total/NA  | Solid  | 8021B  | 89099      |
| 880-47558-14        | CSB-005-4.0-20240821   | Total/NA  | Solid  | 8021B  | 89099      |
| MB 880-89099/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 89099      |
| LCS 880-89099/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 89099      |
| LCSD 880-89099/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 89099      |
| 880-47508-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 89099      |
| 880-47508-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 89099      |

## Analysis Batch: 89322

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method     | Prep Batch |
|---------------|----------------------|-----------|--------|------------|------------|
| 880-47558-4   | CSB-112-3.0-20240821 | Total/NA  | Solid  | Total BTEX |            |
| 880-47558-6   | CSW-023-0-3-20240821 | Total/NA  | Solid  | Total BTEX |            |
| 880-47558-14  | CSB-005-4.0-20240821 | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 89106

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|----------------------|------------------------|-----------|--------|-------------|------------|
| 880-47558-4          | CSB-112-3.0-20240821   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-89106/1-A     | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-89106/2-A    | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-89106/3-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47494-A-14-D MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47494-A-14-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 89140

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 880-47558-4          | CSB-112-3.0-20240821   | Total/NA  | Solid  | 8015B NM | 89106      |
| MB 880-89106/1-A     | Method Blank           | Total/NA  | Solid  | 8015B NM | 89106      |
| LCS 880-89106/2-A    | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 89106      |
| LCSD 880-89106/3-A   | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 89106      |
| 880-47494-A-14-D MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 89106      |
| 880-47494-A-14-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 89106      |

## Prep Batch: 89249

| Lab Sample ID     | Client Sample ID     | Prep Type | Matrix | Method      | Prep Batch |
|-------------------|----------------------|-----------|--------|-------------|------------|
| 880-47558-6       | CSW-023-0-3-20240821 | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-89249/1-A  | Method Blank         | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-89249/2-A | Lab Control Sample   | Total/NA  | Solid  | 8015NM Prep |            |

Eurofins Midland



QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

GC Semi VOA (Continued)

Prep Batch: 89249 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| LCSD 880-89249/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47558-6 MS     | CSW-023-0-3-20240821   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47558-6 MSD    | CSW-023-0-3-20240821   | Total/NA  | Solid  | 8015NM Prep |            |

Prep Batch: 89251

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-47558-14       | CSB-005-4.0-20240821   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-89251/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-89251/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-89251/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47558-14 MS    | CSB-005-4.0-20240821   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47558-14 MSD   | CSB-005-4.0-20240821   | Total/NA  | Solid  | 8015NM Prep |            |

Analysis Batch: 89260

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47558-6        | CSW-023-0-3-20240821   | Total/NA  | Solid  | 8015B NM | 89249      |
| MB 880-89249/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 89249      |
| LCS 880-89249/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 89249      |
| LCSD 880-89249/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 89249      |
| 880-47558-6 MS     | CSW-023-0-3-20240821   | Total/NA  | Solid  | 8015B NM | 89249      |
| 880-47558-6 MSD    | CSW-023-0-3-20240821   | Total/NA  | Solid  | 8015B NM | 89249      |

Analysis Batch: 89316

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method  | Prep Batch |
|---------------|----------------------|-----------|--------|---------|------------|
| 880-47558-4   | CSB-112-3.0-20240821 | Total/NA  | Solid  | 8015 NM |            |
| 880-47558-6   | CSW-023-0-3-20240821 | Total/NA  | Solid  | 8015 NM |            |
| 880-47558-14  | CSB-005-4.0-20240821 | Total/NA  | Solid  | 8015 NM |            |

Analysis Batch: 89390

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47558-14       | CSB-005-4.0-20240821   | Total/NA  | Solid  | 8015B NM | 89251      |
| MB 880-89251/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 89251      |
| LCS 880-89251/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 89251      |
| LCSD 880-89251/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 89251      |
| 880-47558-14 MS    | CSB-005-4.0-20240821   | Total/NA  | Solid  | 8015B NM | 89251      |
| 880-47558-14 MSD   | CSB-005-4.0-20240821   | Total/NA  | Solid  | 8015B NM | 89251      |

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

Client Sample ID: CSB-112-3.0-20240821  
Date Collected: 08/21/24 11:30  
Date Received: 08/22/24 09:00

Lab Sample ID: 880-47558-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 89099        | 08/22/24 11:12       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89129        | 08/22/24 15:25       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89322        | 08/22/24 15:25       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89316        | 08/22/24 20:09       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 89106        | 08/21/24 16:18       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89140        | 08/22/24 20:09       | TKC     | EET MID |

Client Sample ID: CSW-023-0-3-20240821  
Date Collected: 08/21/24 13:05  
Date Received: 08/22/24 09:00

Lab Sample ID: 880-47558-6  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 89099        | 08/22/24 11:12       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89129        | 08/22/24 15:46       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89322        | 08/22/24 15:46       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89316        | 08/23/24 13:24       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 89249        | 08/23/24 08:56       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89260        | 08/23/24 13:24       | TKC     | EET MID |

Client Sample ID: CSB-005-4.0-20240821  
Date Collected: 08/21/24 16:45  
Date Received: 08/22/24 09:00

Lab Sample ID: 880-47558-14  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 89099        | 08/22/24 11:12       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89129        | 08/22/24 16:06       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89322        | 08/22/24 16:06       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89316        | 08/26/24 13:53       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 89251        | 08/23/24 09:00       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89390        | 08/26/24 13:53       | SM      | EET MID |

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |

Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

| Method      | Method Description               | Protocol | Laboratory |
|-------------|----------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)  | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation           | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 5035        | Closed System Purge and Trap     | SW846    | EET MID    |
| 8015NM Prep | Microextraction                  | SW846    | EET MID    |

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       | Depth |
|---------------|----------------------|--------|----------------|----------------|-------|
| 880-47558-4   | CSB-112-3.0-20240821 | Solid  | 08/21/24 11:30 | 08/22/24 09:00 | 3.0   |
| 880-47558-6   | CSW-023-0-3-20240821 | Solid  | 08/21/24 13:05 | 08/22/24 09:00 | 0-3   |
| 880-47558-14  | CSB-005-4.0-20240821 | Solid  | 08/21/24 16:45 | 08/22/24 09:00 | 4.0   |

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## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1286  
 Hobbs, NM (575) 382-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5060

## Environment Testing

Work (

880-47558 Chain of Custody

Page 1 of 2

|                  |                          |                         |                         |
|------------------|--------------------------|-------------------------|-------------------------|
| Project Manager: | Brad Wynne               | Bill to: (if different) |                         |
| Company Name:    | AECOM                    | Company Name:           |                         |
| Address:         | 13355 Noel Rd. Suite 100 | Address:                |                         |
| City, State ZIP: | Dallas TX 75240          | City, State ZIP:        |                         |
| Phone:           | 214-471-1829             | Email:                  | Bradley.Wynne@AECOM.COM |

|                   |              |                                                               |                                                                           |
|-------------------|--------------|---------------------------------------------------------------|---------------------------------------------------------------------------|
| Project Name:     | Amoco CTB    | Turn Around                                                   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |
| Project Number:   | 60734207     | Due Date:                                                     | ASAP                                                                      |
| Project Location: | Loving, NM   | TAT starts the day received by the lab, if received by 4:30pm |                                                                           |
| Sampler's Name:   | James Lovely |                                                               |                                                                           |
| PO #:             |              |                                                               |                                                                           |

|                   |                                                                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program:          | UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>     |
| State of Project: | NM                                                                                                                                                                     |
| Reporting:        | Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/AUST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Deliverables:     | EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                          |

| Sample Identification |      | Matrix  | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters        | Pres. Code | ANALYSIS REQUEST |  |  |  |  |  |  |  |  |                                                                   |                            |  |  |  |  |  | Preservative Codes |
|-----------------------|------|---------|--------------|--------------|-------|-----------|-----------|-------------------|------------|------------------|--|--|--|--|--|--|--|--|-------------------------------------------------------------------|----------------------------|--|--|--|--|--|--------------------|
| CSW-05-0-3-20240820   | Soil | 8/22/24 | 1545         | 0-3          | C     | 1         |           | Chlorides - As AP |            |                  |  |  |  |  |  |  |  |  | None: NO                                                          | DI Water: H <sub>2</sub> O |  |  |  |  |  |                    |
| CSB-086-6.5-20240821  |      | 8/21/24 | 1100         | 6.5          | C     | 1         |           |                   |            |                  |  |  |  |  |  |  |  |  | Cool: Cool                                                        | MeOH: Me                   |  |  |  |  |  |                    |
| CSB-095-6.5-20240821  |      | 8/21/24 | 1115         | 6.5          | C     | 1         |           |                   |            |                  |  |  |  |  |  |  |  |  | HCL: HC                                                           | HNO <sub>3</sub>           |  |  |  |  |  |                    |
| CSB-112-3.0-20240821  |      | 8/21/24 | 1130         | 3.0          | C     | 1         |           |                   |            |                  |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |  |  |  |  |  |                    |
| CSB-077-6.5-20240821  |      | 8/21/24 | 1260         | 6.5          | C     | 1         |           |                   |            |                  |  |  |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |  |  |  |  |  |                    |
| CSW-023-0-3-20240821  |      | 8/21/24 | 1305         | 0-3          | C     | 1         |           |                   |            |                  |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> : NABIS                                        |                            |  |  |  |  |  |                    |
| CSB-048-5.5-20240821  |      | 8/21/24 | 1500         | 5.5          | C     | 1         |           |                   |            |                  |  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |  |  |  |  |  |                    |
| CSB-049-5.5-20240821  |      | 8/21/24 | 1515         | 5.5          | C     | 1         |           |                   |            |                  |  |  |  |  |  |  |  |  | Zn Acetate+NaOH: Zn                                               |                            |  |  |  |  |  |                    |
| CSB-058-5.75-20240821 |      | 8/21/24 | 1530         | 5.75         | C     | 1         |           |                   |            |                  |  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid: SAPC                                          |                            |  |  |  |  |  |                    |
| CSB-059-6.5-20240821  |      | 8/21/24 | 1545         | 6.5          | C     | 1         |           |                   |            |                  |  |  |  |  |  |  |  |  |                                                                   |                            |  |  |  |  |  |                    |
|                       |      |         |              |              |       |           |           |                   |            | only chlorides   |  |  |  |  |  |  |  |  |                                                                   |                            |  |  |  |  |  |                    |

|                                              |                                                                                                       |               |                      |                                                                                               |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------|----------------------|-----------------------------------------------------------------------------------------------|
| Total                                        | 200.7 / 6010                                                                                          | 200.8 / 6020: | 8RCRA 13PPM Texas 11 | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |               |                      |                                                                                               |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 per each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time                 |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|---------------------------|
| 1 <i>James Lovely</i>        | <i>Bradley Wynne</i>     | 8/21/24 905 |                              |                          | 8/21/24 1650 <sup>2</sup> |
| 3                            |                          |             |                              |                          | 4                         |
| 5                            |                          |             |                              |                          | 6                         |

Revised Date: 08/25/2020 Rev. 2020.2





## Chain of Custody

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Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5080

## Environment Testing

**Work Order No:**

Page 2 of 2

[illegible]

## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47558-1

SDG Number: Loving, NM

Login Number: 47558

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/22/2024 5:00:44 PM

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-47558-2

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/22/2024 5:00:44 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47558-2  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-2  
SDG: Loving, NM

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47558-2

Job ID: 880-47558-2

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Job Narrative  
880-47558-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/22/2024 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.7°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CSB-112-3.0-20240821 (880-47558-4), CSW-023-0-3-20240821 (880-47558-6) and CSB-005-4.0-20240821 (880-47558-14).

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-2  
SDG: Loving, NM

Client Sample ID: CSW-05-0-3-20240820

Lab Sample ID: 880-47558-1

Date Collected: 08/20/24 15:45

Matrix: Solid

Date Received: 08/22/24 09:00

Sample Depth: 0-3

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 459    |           | 4.99 | 0.394 | mg/Kg |   |          | 08/22/24 10:35 | 1       |

Client Sample ID: CSB-086-6.5-20240821

Lab Sample ID: 880-47558-2

Date Collected: 08/21/24 11:00

Matrix: Solid

Date Received: 08/22/24 09:00

Sample Depth: 6.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1150   |           | 5.00 | 0.395 | mg/Kg |   |          | 08/22/24 10:42 | 1       |

Client Sample ID: CSB-095-6.5-20240821

Lab Sample ID: 880-47558-3

Date Collected: 08/21/24 11:15

Matrix: Solid

Date Received: 08/22/24 09:00

Sample Depth: 6.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 870    |           | 4.96 | 0.392 | mg/Kg |   |          | 08/22/24 10:50 | 1       |

Client Sample ID: CSB-112-3.0-20240821

Lab Sample ID: 880-47558-4

Date Collected: 08/21/24 11:30

Matrix: Solid

Date Received: 08/22/24 09:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 882    |           | 5.05 | 0.399 | mg/Kg |   |          | 08/22/24 10:57 | 1       |

Client Sample ID: CSB-077-6.5-20240821

Lab Sample ID: 880-47558-5

Date Collected: 08/21/24 12:00

Matrix: Solid

Date Received: 08/22/24 09:00

Sample Depth: 6.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1030   |           | 4.98 | 0.393 | mg/Kg |   |          | 08/22/24 11:05 | 1       |

Client Sample ID: CSW-023-0-3-20240821

Lab Sample ID: 880-47558-6

Date Collected: 08/21/24 13:05

Matrix: Solid

Date Received: 08/22/24 09:00

Sample Depth: 0-3

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 847    |           | 5.04 | 0.398 | mg/Kg |   |          | 08/22/24 11:13 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-2  
SDG: Loving, NM

Client Sample ID: CSB-048-5.5-20240821

Lab Sample ID: 880-47558-7

Date Collected: 08/21/24 15:00

Matrix: Solid

Date Received: 08/22/24 09:00

Sample Depth: 5.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 744    |           | 24.9 | 1.97 | mg/Kg |   |          | 08/22/24 11:20 | 5       |

Client Sample ID: CSB-049-5.5-20240821

Lab Sample ID: 880-47558-8

Date Collected: 08/21/24 15:15

Matrix: Solid

Date Received: 08/22/24 09:00

Sample Depth: 5.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 668    |           | 24.8 | 1.96 | mg/Kg |   |          | 08/22/24 11:28 | 5       |

Client Sample ID: CSB-058-5.75-20240821

Lab Sample ID: 880-47558-9

Date Collected: 08/21/24 15:30

Matrix: Solid

Date Received: 08/22/24 09:00

Sample Depth: 5.75

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 783    |           | 25.1 | 1.98 | mg/Kg |   |          | 08/22/24 12:05 | 5       |

Client Sample ID: CSB-059-6.5-20240821

Lab Sample ID: 880-47558-10

Date Collected: 08/21/24 15:45

Matrix: Solid

Date Received: 08/22/24 09:00

Sample Depth: 6.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 644    |           | 24.8 | 1.96 | mg/Kg |   |          | 08/22/24 12:13 | 5       |

Client Sample ID: CSB-068-6.5-20240821

Lab Sample ID: 880-47558-11

Date Collected: 08/21/24 16:00

Matrix: Solid

Date Received: 08/22/24 09:00

Sample Depth: 6.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 923    |           | 4.95 | 0.391 | mg/Kg |   |          | 08/22/24 12:20 | 1       |

Client Sample ID: CSB-069-5.75-20240821

Lab Sample ID: 880-47558-12

Date Collected: 08/21/24 16:15

Matrix: Solid

Date Received: 08/22/24 09:00

Sample Depth: 5.75

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1010   |           | 5.02 | 0.397 | mg/Kg |   |          | 08/22/24 12:28 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-2  
SDG: Loving, NM

Client Sample ID: CSW-019-0-3-20240821  
Date Collected: 08/21/24 16:30  
Date Received: 08/22/24 09:00  
Sample Depth: 0-3

Lab Sample ID: 880-47558-13  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                 | 734    |           | 5.03 | 0.397 | mg/Kg | - |          | 08/22/24 12:35 | 1       |

Client Sample ID: CSB-005-4.0-20240821  
Date Collected: 08/21/24 16:45  
Date Received: 08/22/24 09:00  
Sample Depth: 4.0

Lab Sample ID: 880-47558-14  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                 | 767    |           | 5.00 | 0.395 | mg/Kg | - |          | 08/22/24 12:43 | 1       |



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-2  
SDG: Loving, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-89123/1-A

Matrix: Solid

Analysis Batch: 89126

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/22/24 09:20 | 1       |

Lab Sample ID: LCS 880-89123/2-A

Matrix: Solid

Analysis Batch: 89126

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 233.1         |                  | mg/Kg |   | 93   | 90 - 110       |

Lab Sample ID: LCSD 880-89123/3-A

Matrix: Solid

Analysis Batch: 89126

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 235.1          |                   | mg/Kg |   | 94   | 90 - 110       | 1   | 20           |

Lab Sample ID: 880-47558-8 MS

Matrix: Solid

Analysis Batch: 89126

Client Sample ID: CSB-049-5.5-20240821

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 668              |                     | 1240           | 2022         |                 | mg/Kg |   | 109  | 90 - 110       |

Lab Sample ID: 880-47558-8 MSD

Matrix: Solid

Analysis Batch: 89126

Client Sample ID: CSB-049-5.5-20240821

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 668              |                     | 1240           | 2021          |                  | mg/Kg |   | 109  | 90 - 110       | 0   | 20           |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-2  
SDG: Loving, NM

## HPLC/IC

## Leach Batch: 89123

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47558-1        | CSW-05-0-3-20240820    | Soluble   | Solid  | DI Leach |            |
| 880-47558-2        | CSB-086-6.5-20240821   | Soluble   | Solid  | DI Leach |            |
| 880-47558-3        | CSB-095-6.5-20240821   | Soluble   | Solid  | DI Leach |            |
| 880-47558-4        | CSB-112-3.0-20240821   | Soluble   | Solid  | DI Leach |            |
| 880-47558-5        | CSB-077-6.5-20240821   | Soluble   | Solid  | DI Leach |            |
| 880-47558-6        | CSW-023-0-3-20240821   | Soluble   | Solid  | DI Leach |            |
| 880-47558-7        | CSB-048-5.5-20240821   | Soluble   | Solid  | DI Leach |            |
| 880-47558-8        | CSB-049-5.5-20240821   | Soluble   | Solid  | DI Leach |            |
| 880-47558-9        | CSB-058-5.75-20240821  | Soluble   | Solid  | DI Leach |            |
| 880-47558-10       | CSB-059-6.5-20240821   | Soluble   | Solid  | DI Leach |            |
| 880-47558-11       | CSB-068-6.5-20240821   | Soluble   | Solid  | DI Leach |            |
| 880-47558-12       | CSB-069-5.75-20240821  | Soluble   | Solid  | DI Leach |            |
| 880-47558-13       | CSW-019-0-3-20240821   | Soluble   | Solid  | DI Leach |            |
| 880-47558-14       | CSB-005-4.0-20240821   | Soluble   | Solid  | DI Leach |            |
| MB 880-89123/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-89123/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-89123/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-47558-8 MS     | CSB-049-5.5-20240821   | Soluble   | Solid  | DI Leach |            |
| 880-47558-8 MSD    | CSB-049-5.5-20240821   | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 89126

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-47558-1        | CSW-05-0-3-20240820    | Soluble   | Solid  | 300.0  | 89123      |
| 880-47558-2        | CSB-086-6.5-20240821   | Soluble   | Solid  | 300.0  | 89123      |
| 880-47558-3        | CSB-095-6.5-20240821   | Soluble   | Solid  | 300.0  | 89123      |
| 880-47558-4        | CSB-112-3.0-20240821   | Soluble   | Solid  | 300.0  | 89123      |
| 880-47558-5        | CSB-077-6.5-20240821   | Soluble   | Solid  | 300.0  | 89123      |
| 880-47558-6        | CSW-023-0-3-20240821   | Soluble   | Solid  | 300.0  | 89123      |
| 880-47558-7        | CSB-048-5.5-20240821   | Soluble   | Solid  | 300.0  | 89123      |
| 880-47558-8        | CSB-049-5.5-20240821   | Soluble   | Solid  | 300.0  | 89123      |
| 880-47558-9        | CSB-058-5.75-20240821  | Soluble   | Solid  | 300.0  | 89123      |
| 880-47558-10       | CSB-059-6.5-20240821   | Soluble   | Solid  | 300.0  | 89123      |
| 880-47558-11       | CSB-068-6.5-20240821   | Soluble   | Solid  | 300.0  | 89123      |
| 880-47558-12       | CSB-069-5.75-20240821  | Soluble   | Solid  | 300.0  | 89123      |
| 880-47558-13       | CSW-019-0-3-20240821   | Soluble   | Solid  | 300.0  | 89123      |
| 880-47558-14       | CSB-005-4.0-20240821   | Soluble   | Solid  | 300.0  | 89123      |
| MB 880-89123/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 89123      |
| LCS 880-89123/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 89123      |
| LCSD 880-89123/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 89123      |
| 880-47558-8 MS     | CSB-049-5.5-20240821   | Soluble   | Solid  | 300.0  | 89123      |
| 880-47558-8 MSD    | CSB-049-5.5-20240821   | Soluble   | Solid  | 300.0  | 89123      |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-2  
SDG: Loving, NM

**Client Sample ID: CSW-05-0-3-20240820****Lab Sample ID: 880-47558-1****Date Collected: 08/20/24 15:45****Matrix: Solid****Date Received: 08/22/24 09:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 89123        | 08/22/24 10:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 89126        | 08/22/24 10:35       | CH      | EET MID |

**Client Sample ID: CSB-086-6.5-20240821****Lab Sample ID: 880-47558-2****Date Collected: 08/21/24 11:00****Matrix: Solid****Date Received: 08/22/24 09:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 89123        | 08/22/24 10:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 89126        | 08/22/24 10:42       | CH      | EET MID |

**Client Sample ID: CSB-095-6.5-20240821****Lab Sample ID: 880-47558-3****Date Collected: 08/21/24 11:15****Matrix: Solid****Date Received: 08/22/24 09:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 89123        | 08/22/24 10:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 89126        | 08/22/24 10:50       | CH      | EET MID |

**Client Sample ID: CSB-112-3.0-20240821****Lab Sample ID: 880-47558-4****Date Collected: 08/21/24 11:30****Matrix: Solid****Date Received: 08/22/24 09:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 89123        | 08/22/24 10:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 89126        | 08/22/24 10:57       | CH      | EET MID |

**Client Sample ID: CSB-077-6.5-20240821****Lab Sample ID: 880-47558-5****Date Collected: 08/21/24 12:00****Matrix: Solid****Date Received: 08/22/24 09:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 89123        | 08/22/24 10:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 89126        | 08/22/24 11:05       | CH      | EET MID |

**Client Sample ID: CSW-023-0-3-20240821****Lab Sample ID: 880-47558-6****Date Collected: 08/21/24 13:05****Matrix: Solid****Date Received: 08/22/24 09:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 89123        | 08/22/24 10:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 89126        | 08/22/24 11:13       | CH      | EET MID |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-2  
SDG: Loving, NM

**Client Sample ID: CSB-048-5.5-20240821****Lab Sample ID: 880-47558-7****Date Collected: 08/21/24 15:00****Matrix: Solid****Date Received: 08/22/24 09:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 89123        | 08/22/24 10:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 89126        | 08/22/24 11:20       | CH      | EET MID |

**Client Sample ID: CSB-049-5.5-20240821****Lab Sample ID: 880-47558-8****Date Collected: 08/21/24 15:15****Matrix: Solid****Date Received: 08/22/24 09:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 89123        | 08/22/24 10:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 89126        | 08/22/24 11:28       | CH      | EET MID |

**Client Sample ID: CSB-058-5.75-20240821****Lab Sample ID: 880-47558-9****Date Collected: 08/21/24 15:30****Matrix: Solid****Date Received: 08/22/24 09:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 89123        | 08/22/24 10:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 89126        | 08/22/24 12:05       | CH      | EET MID |

**Client Sample ID: CSB-059-6.5-20240821****Lab Sample ID: 880-47558-10****Date Collected: 08/21/24 15:45****Matrix: Solid****Date Received: 08/22/24 09:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 89123        | 08/22/24 10:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 89126        | 08/22/24 12:13       | CH      | EET MID |

**Client Sample ID: CSB-068-6.5-20240821****Lab Sample ID: 880-47558-11****Date Collected: 08/21/24 16:00****Matrix: Solid****Date Received: 08/22/24 09:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 89123        | 08/22/24 10:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 89126        | 08/22/24 12:20       | CH      | EET MID |

**Client Sample ID: CSB-069-5.75-20240821****Lab Sample ID: 880-47558-12****Date Collected: 08/21/24 16:15****Matrix: Solid****Date Received: 08/22/24 09:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 89123        | 08/22/24 10:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 89126        | 08/22/24 12:28       | CH      | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-2  
SDG: Loving, NM

Client Sample ID: CSW-019-0-3-20240821  
Date Collected: 08/21/24 16:30  
Date Received: 08/22/24 09:00

Lab Sample ID: 880-47558-13  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 89123        | 08/22/24 10:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 89126        | 08/22/24 12:35       | CH      | EET MID |

Client Sample ID: CSB-005-4.0-20240821  
Date Collected: 08/21/24 16:45  
Date Received: 08/22/24 09:00

Lab Sample ID: 880-47558-14  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 89123        | 08/22/24 10:12       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 89126        | 08/22/24 12:43       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-2  
SDG: Loving, NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

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Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-2  
SDG: Loving, NM

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

ASTM = ASTM International  
EPA = US Environmental Protection Agency

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47558-2  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID      | Matrix | Collected      | Received       | Depth |
|---------------|-----------------------|--------|----------------|----------------|-------|
| 880-47558-1   | CSW-05-0-3-20240820   | Solid  | 08/20/24 15:45 | 08/22/24 09:00 | 0-3   |
| 880-47558-2   | CSB-086-6.5-20240821  | Solid  | 08/21/24 11:00 | 08/22/24 09:00 | 6.5   |
| 880-47558-3   | CSB-095-6.5-20240821  | Solid  | 08/21/24 11:15 | 08/22/24 09:00 | 6.5   |
| 880-47558-4   | CSB-112-3.0-20240821  | Solid  | 08/21/24 11:30 | 08/22/24 09:00 | 3.0   |
| 880-47558-5   | CSB-077-6.5-20240821  | Solid  | 08/21/24 12:00 | 08/22/24 09:00 | 6.5   |
| 880-47558-6   | CSW-023-0-3-20240821  | Solid  | 08/21/24 13:05 | 08/22/24 09:00 | 0-3   |
| 880-47558-7   | CSB-048-5.5-20240821  | Solid  | 08/21/24 15:00 | 08/22/24 09:00 | 5.5   |
| 880-47558-8   | CSB-049-5.5-20240821  | Solid  | 08/21/24 15:15 | 08/22/24 09:00 | 5.5   |
| 880-47558-9   | CSB-058-5.75-20240821 | Solid  | 08/21/24 15:30 | 08/22/24 09:00 | 5.75  |
| 880-47558-10  | CSB-059-6.5-20240821  | Solid  | 08/21/24 15:45 | 08/22/24 09:00 | 6.5   |
| 880-47558-11  | CSB-068-6.5-20240821  | Solid  | 08/21/24 16:00 | 08/22/24 09:00 | 6.5   |
| 880-47558-12  | CSB-069-5.75-20240821 | Solid  | 08/21/24 16:15 | 08/22/24 09:00 | 5.75  |
| 880-47558-13  | CSW-019-0-3-20240821  | Solid  | 08/21/24 16:30 | 08/22/24 09:00 | 0-3   |
| 880-47558-14  | CSB-005-4.0-20240821  | Solid  | 08/21/24 16:45 | 08/22/24 09:00 | 4.0   |





eurofins

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1286  
 Hobbs, NM (575) 382-7550, Carlsbad, NM (575) 988-3189  
 Little Rock, AR (501) 224-5060

## Environment Testing

Work (

880-47558 Chain of Custody

Page 1 of 2

|                  |                          |                         |                         |
|------------------|--------------------------|-------------------------|-------------------------|
| Project Manager: | Brad Wynne               | Bill to: (if different) |                         |
| Company Name:    | AECOM                    | Company Name:           |                         |
| Address:         | 13355 Noel Rd. Suite 100 | Address:                |                         |
| City, State ZIP: | Dallas TX 75240          | City, State ZIP:        |                         |
| Phone:           | 214-471-1829             | Email:                  | Bradley.Wynne@AECOM.COM |

|                   |              |                                                               |                                                                           |
|-------------------|--------------|---------------------------------------------------------------|---------------------------------------------------------------------------|
| Project Name:     | Amoco CTB    | Turn Around                                                   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |
| Project Number:   | 60734207     | Due Date:                                                     | ASAP                                                                      |
| Project Location: | Loving, NM   | TAT starts the day received by the lab, if received by 4:30pm |                                                                           |
| Sampler's Name:   | James Lovely |                                                               |                                                                           |
| PO #:             |              |                                                               |                                                                           |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | </ |
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|                                              |                                                                                                       |               |                      |                                                                                               |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------|----------------------|-----------------------------------------------------------------------------------------------|
| Total                                        | 200.7 / 6010                                                                                          | 200.8 / 6020: | 8RCRA 13PPM Texas 11 | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |               |                      |                                                                                               |

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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time                 | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|---------------------------|------------------------------|--------------------------|-----------|
| 1 <i>James Lovely</i>        | <i>Bradley Wynne</i>     | 8/22/24 1650 <sup>2</sup> |                              |                          |           |
| 3                            |                          |                           |                              |                          |           |
| 5                            |                          |                           |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2



## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5080

## Environment Testing

**Work Order No:**

Page 2 of 2

[illegible]



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47558-2

SDG Number: Loving, NM

Login Number: 47558

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/26/2024 8:58:41 PM

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-47612-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



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Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47612-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.                                                     |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1+       | Surrogate recovery exceeds control limits, high biased.                                                        |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47612-1

**Job ID: 880-47612-1**

**Eurofins Midland**

### Job Narrative 880-47612-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/23/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: CSW-01-0-3-20240822 (880-47612-1), CSB-010-6.25-20240822 (880-47612-2), CSB-012-6.25-20240822 (880-47612-3), CSB-030-7.5-20240822 (880-47612-4), CSB-108-6.75-20240822 (880-47612-5), CSB-001-4.0-20240822 (880-47612-6), CSB-002-4.0-20240822 (880-47612-7), CSB-006-4.0-20240822 (880-47612-8), CSB-007-4.0-20240822 (880-47612-9), CSB-008-4.0-20240822 (880-47612-10), CSB-009-4.0-20240822 (880-47612-11), CSW-20-0-3-20240822 (880-47612-12), CSW-21-0-3-20240822 (880-47612-13), CSW-22-0-3-20240822 (880-47612-14), CSB-014-3.0-20240822 (880-47612-15), CSB-015-3.0-20240822 (880-47612-16), CSB-016-3.0-20240822 (880-47612-17) and CSB-016-Dup-3.0-20240822 (880-47612-18).

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-89260 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-89419/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The laboratory control sample (LCS) associated with preparation batch 880-89419 and analytical batch 880-89394 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Client Sample ID: CSB-001-4.0-20240822

Lab Sample ID: 880-47612-6

Date Collected: 08/22/24 11:15

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 12:15 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 12:15 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 12:15 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 12:15 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 12:15 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 12:15 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 12:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 12:15 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 08/23/24 12:15 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.9 | 15.1 | mg/Kg |   |          | 08/24/24 01:42 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.9     | 14.5 | mg/Kg |   | 08/23/24 10:17 | 08/24/24 01:42 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 08/23/24 10:17 | 08/24/24 01:42 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 08/23/24 10:17 | 08/24/24 01:42 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 93        |           | 70 - 130 |      |       |   | 08/23/24 10:17 | 08/24/24 01:42 | 1       |
| o-Terphenyl                          | 81        |           | 70 - 130 |      |       |   | 08/23/24 10:17 | 08/24/24 01:42 | 1       |

Client Sample ID: CSB-002-4.0-20240822

Lab Sample ID: 880-47612-7

Date Collected: 08/22/24 11:30

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00140  | U         | 0.00201  | 0.00140 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 12:35 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | 0.00201 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 12:35 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00201  | 0.00109 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 12:35 | 1       |
| m-Xylene & p-Xylene         | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 12:35 | 1       |
| o-Xylene                    | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 12:35 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 12:35 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 12:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 12:35 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Client Sample ID: CSB-002-4.0-20240822

Lab Sample ID: 880-47612-7

Date Collected: 08/22/24 11:30

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 4.0

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg | - |          | 08/23/24 12:35 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.9 | 15.1 | mg/Kg | - |          | 08/26/24 13:53 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.9     | 14.5 | mg/Kg | - | 08/26/24 12:29 | 08/26/24 13:53 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U **      | 49.9     | 15.1 | mg/Kg | - | 08/26/24 12:29 | 08/26/24 13:53 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.9     | 15.1 | mg/Kg | - | 08/26/24 12:29 | 08/26/24 13:53 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 105       |           | 70 - 130 |      |       |   | 08/26/24 12:29 | 08/26/24 13:53 | 1       |
| o-Terphenyl                          | 102       |           | 70 - 130 |      |       |   | 08/26/24 12:29 | 08/26/24 13:53 | 1       |

Client Sample ID: CSB-006-4.0-20240822

Lab Sample ID: 880-47612-8

Date Collected: 08/22/24 11:45

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg | - | 08/23/24 09:03 | 08/23/24 12:56 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg | - | 08/23/24 09:03 | 08/23/24 12:56 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg | - | 08/23/24 09:03 | 08/23/24 12:56 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg | - | 08/23/24 09:03 | 08/23/24 12:56 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg | - | 08/23/24 09:03 | 08/23/24 12:56 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg | - | 08/23/24 09:03 | 08/23/24 12:56 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 12:56 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 12:56 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg | - |          | 08/23/24 12:56 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 50.0 | 15.1 | mg/Kg | - |          | 08/23/24 22:46 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 50.0 | 14.5 | mg/Kg | - | 08/23/24 10:20 | 08/23/24 22:46 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1  | U         | 50.0 | 15.1 | mg/Kg | - | 08/23/24 10:20 | 08/23/24 22:46 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 50.0 | 15.1 | mg/Kg | - | 08/23/24 10:20 | 08/23/24 22:46 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Client Sample ID: CSB-006-4.0-20240822

Lab Sample ID: 880-47612-8

Date Collected: 08/22/24 11:45

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 4.0

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 100       |           | 70 - 130 | 08/23/24 10:20 | 08/23/24 22:46 | 1       |
| o-Terphenyl    | 98        |           | 70 - 130 | 08/23/24 10:20 | 08/23/24 22:46 | 1       |

Client Sample ID: CSB-007-4.0-20240822

Lab Sample ID: 880-47612-9

Date Collected: 08/22/24 12:00

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:17 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:17 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:17 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:17 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:17 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:17 | 1       |
|                             |           |           |          |         |       |   |                |                |         |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 13:17 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 13:17 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 08/23/24 13:17 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 15.2   | J         | 49.8 | 15.1 | mg/Kg |   |          | 08/23/24 23:02 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.8     | 14.5 | mg/Kg |   | 08/23/24 10:20 | 08/23/24 23:02 | 1       |
| Diesel Range Organics (Over C10-C28) | 15.2      | J         | 49.8     | 15.1 | mg/Kg |   | 08/23/24 10:20 | 08/23/24 23:02 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 08/23/24 10:20 | 08/23/24 23:02 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 102       |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/23/24 23:02 | 1       |
| o-Terphenyl                          | 101       |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/23/24 23:02 | 1       |

Client Sample ID: CSB-008-4.0-20240822

Lab Sample ID: 880-47612-10

Date Collected: 08/22/24 12:15

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00140 | U         | 0.00201 | 0.00140 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:37 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | 0.00201 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:37 | 1       |
| Ethylbenzene        | <0.00110 | U         | 0.00201 | 0.00110 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:37 | 1       |
| m-Xylene & p-Xylene | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:37 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Client Sample ID: CSB-008-4.0-20240822

Lab Sample ID: 880-47612-10

Date Collected: 08/22/24 12:15

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| o-Xylene                    | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:37 | 1       |
| Xylenes, Total              | <0.00230  | U         | 0.00402  | 0.00230 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:37 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 13:37 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 13:37 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   |          | 08/23/24 13:37 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 08/23/24 23:18 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.8     | 14.5 | mg/Kg |   | 08/23/24 10:20 | 08/23/24 23:18 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 08/23/24 10:20 | 08/23/24 23:18 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 08/23/24 10:20 | 08/23/24 23:18 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 94        |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/23/24 23:18 | 1       |
| o-Terphenyl                          | 91        |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/23/24 23:18 | 1       |

Client Sample ID: CSB-009-4.0-20240822

Lab Sample ID: 880-47612-11

Date Collected: 08/22/24 12:30

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 4.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:58 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:58 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:58 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:58 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:58 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 13:58 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 13:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 13:58 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 08/23/24 13:58 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Client Sample ID: CSB-009-4.0-20240822  
Date Collected: 08/22/24 12:30  
Date Received: 08/23/24 08:00  
Sample Depth: 4.0

Lab Sample ID: 880-47612-11  
Matrix: Solid

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)  |           |           |          |      |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|--|
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Total TPH                                                 | <15.0     | U         | 49.6     | 15.0 | mg/Kg |   |                | 08/23/24 23:34 | 1       |  |
| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |      |       |   |                |                |         |  |
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.4     | U         | 49.6     | 14.4 | mg/Kg |   | 08/23/24 10:20 | 08/23/24 23:34 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <15.0     | U         | 49.6     | 15.0 | mg/Kg |   | 08/23/24 10:20 | 08/23/24 23:34 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <15.0     | U         | 49.6     | 15.0 | mg/Kg |   | 08/23/24 10:20 | 08/23/24 23:34 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 105       |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/23/24 23:34 | 1       |  |
| o-Terphenyl                                               | 101       |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/23/24 23:34 | 1       |  |

Client Sample ID: CSW-20-0-3-20240822  
Date Collected: 08/22/24 12:45  
Date Received: 08/23/24 08:00  
Sample Depth: 0-3

Lab Sample ID: 880-47612-12  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC) |           |           |          |         |       |   |                |                |         |  |
|-------------------------------------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|--|
| Analyte                                               | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Benzene                                               | <0.00140  | U         | 0.00201  | 0.00140 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 14:18 | 1       |  |
| Toluene                                               | <0.00201  | U         | 0.00201  | 0.00201 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 14:18 | 1       |  |
| Ethylbenzene                                          | <0.00109  | U         | 0.00201  | 0.00109 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 14:18 | 1       |  |
| m-Xylene & p-Xylene                                   | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 14:18 | 1       |  |
| o-Xylene                                              | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 14:18 | 1       |  |
| Xylenes, Total                                        | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 14:18 | 1       |  |
| Surrogate                                             | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 4-Bromofluorobenzene (Surr)                           | 104       |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 14:18 | 1       |  |
| 1,4-Difluorobenzene (Surr)                            | 93        |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 14:18 | 1       |  |

| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |         |       |   |          |                |         |  |
|-----------------------------------------------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|--|
| Analyte                                             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total BTEX                                          | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   |          | 08/23/24 14:18 | 1       |  |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH                                                | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   |          | 08/23/24 23:50 | 1       |  |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |      |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|--|
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 08/23/24 10:20 | 08/23/24 23:50 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 08/23/24 10:20 | 08/23/24 23:50 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 08/23/24 10:20 | 08/23/24 23:50 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 106       |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/23/24 23:50 | 1       |  |
| o-Terphenyl                                               | 105       |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/23/24 23:50 | 1       |  |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Client Sample ID: CSW-21-0-3-20240822

Lab Sample ID: 880-47612-13

Date Collected: 08/22/24 13:00

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 0-3

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00140 | U         | 0.00201 | 0.00140 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 16:55 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | 0.00201 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 16:55 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00201 | 0.00109 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 16:55 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 16:55 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00201 | 0.00159 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 16:55 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 16:55 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 | 08/23/24 09:03 | 08/23/24 16:55 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 | 08/23/24 09:03 | 08/23/24 16:55 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   |          | 08/23/24 16:55 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 08/24/24 00:06 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 49.8 | 14.5 | mg/Kg |   | 08/23/24 10:20 | 08/24/24 00:06 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   | 08/23/24 10:20 | 08/24/24 00:06 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   | 08/23/24 10:20 | 08/24/24 00:06 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 111       |           | 70 - 130 | 08/23/24 10:20 | 08/24/24 00:06 | 1       |
| o-Terphenyl    | 108       |           | 70 - 130 | 08/23/24 10:20 | 08/24/24 00:06 | 1       |

Client Sample ID: CSW-22-0-3-20240822

Lab Sample ID: 880-47612-14

Date Collected: 08/22/24 14:00

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 0-3

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00140 | U         | 0.00201 | 0.00140 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:15 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | 0.00201 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:15 | 1       |
| Ethylbenzene        | <0.00110 | U         | 0.00201 | 0.00110 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:15 | 1       |
| m-Xylene & p-Xylene | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:15 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00201 | 0.00159 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:15 | 1       |
| Xylenes, Total      | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:15 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 | 08/23/24 09:03 | 08/23/24 17:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 08/23/24 09:03 | 08/23/24 17:15 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Client Sample ID: CSW-22-0-3-20240822

Lab Sample ID: 880-47612-14

Date Collected: 08/22/24 14:00

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 0-3

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   |          | 08/23/24 17:15 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   |          | 08/24/24 00:21 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 08/23/24 10:20 | 08/24/24 00:21 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 08/23/24 10:20 | 08/24/24 00:21 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 08/23/24 10:20 | 08/24/24 00:21 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 103       |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/24/24 00:21 | 1       |
| o-Terphenyl                          | 100       |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/24/24 00:21 | 1       |

Client Sample ID: CSB-014-3.0-20240822

Lab Sample ID: 880-47612-15

Date Collected: 08/22/24 14:15

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00138  | U         | 0.00199  | 0.00138 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:36 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:36 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:36 | 1       |
| m-Xylene & p-Xylene         | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:36 | 1       |
| o-Xylene                    | <0.00157  | U         | 0.00199  | 0.00157 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:36 | 1       |
| Xylenes, Total              | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:36 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 17:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 17:36 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg |   |          | 08/23/24 17:36 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.9 | 15.1 | mg/Kg |   |          | 08/24/24 00:38 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 49.9 | 14.5 | mg/Kg |   | 08/23/24 10:20 | 08/24/24 00:38 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1  | U         | 49.9 | 15.1 | mg/Kg |   | 08/23/24 10:20 | 08/24/24 00:38 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 49.9 | 15.1 | mg/Kg |   | 08/23/24 10:20 | 08/24/24 00:38 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Client Sample ID: CSB-014-3.0-20240822

Lab Sample ID: 880-47612-15

Date Collected: 08/22/24 14:15

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 3.0

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 99        |           | 70 - 130 | 08/23/24 10:20 | 08/24/24 00:38 | 1       |
| o-Terphenyl    | 96        |           | 70 - 130 | 08/23/24 10:20 | 08/24/24 00:38 | 1       |

Client Sample ID: CSB-015-3.0-20240822

Lab Sample ID: 880-47612-16

Date Collected: 08/22/24 14:30

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:56 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:56 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:56 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:56 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:56 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 17:56 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 17:56 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 17:56 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 08/23/24 17:56 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.0  | U         | 49.7 | 15.0 | mg/Kg |   |          | 08/24/24 00:54 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.4     | U         | 49.7     | 14.4 | mg/Kg |   | 08/23/24 10:20 | 08/24/24 00:54 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 08/23/24 10:20 | 08/24/24 00:54 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 08/23/24 10:20 | 08/24/24 00:54 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 94        |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/24/24 00:54 | 1       |
| o-Terphenyl                          | 91        |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/24/24 00:54 | 1       |

Client Sample ID: CSB-016-3.0-20240822

Lab Sample ID: 880-47612-17

Date Collected: 08/22/24 14:45

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00140 | U         | 0.00201 | 0.00140 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 18:17 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | 0.00201 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 18:17 | 1       |
| Ethylbenzene        | <0.00110 | U         | 0.00201 | 0.00110 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 18:17 | 1       |
| m-Xylene & p-Xylene | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 18:17 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Client Sample ID: CSB-016-3.0-20240822

Lab Sample ID: 880-47612-17

Date Collected: 08/22/24 14:45

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| o-Xylene                    | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg | — | 08/23/24 09:03 | 08/23/24 18:17 | 1       |
| Xylenes, Total              | <0.00230  | U         | 0.00402  | 0.00230 | mg/Kg | — | 08/23/24 09:03 | 08/23/24 18:17 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 18:17 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 18:17 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg | — |          | 08/23/24 18:17 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 50.0 | 15.1 | mg/Kg | — |          | 08/24/24 01:25 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg | — | 08/23/24 10:20 | 08/24/24 01:25 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 50.0     | 15.1 | mg/Kg | — | 08/23/24 10:20 | 08/24/24 01:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 50.0     | 15.1 | mg/Kg | — | 08/23/24 10:20 | 08/24/24 01:25 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 100       |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/24/24 01:25 | 1       |
| o-Terphenyl                          | 97        |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/24/24 01:25 | 1       |

Client Sample ID: CSB-016-Dup-3.0-20240822

Lab Sample ID: 880-47612-18

Date Collected: 08/22/24 14:45

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 3.0

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00140  | U         | 0.00201  | 0.00140 | mg/Kg | — | 08/23/24 09:03 | 08/23/24 18:37 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | 0.00201 | mg/Kg | — | 08/23/24 09:03 | 08/23/24 18:37 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00201  | 0.00109 | mg/Kg | — | 08/23/24 09:03 | 08/23/24 18:37 | 1       |
| m-Xylene & p-Xylene         | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg | — | 08/23/24 09:03 | 08/23/24 18:37 | 1       |
| o-Xylene                    | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg | — | 08/23/24 09:03 | 08/23/24 18:37 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg | — | 08/23/24 09:03 | 08/23/24 18:37 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 18:37 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |         |       |   | 08/23/24 09:03 | 08/23/24 18:37 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg | — |          | 08/23/24 18:37 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Client Sample ID: CSB-016-Dup-3.0-20240822  
Date Collected: 08/22/24 14:45  
Date Received: 08/23/24 08:00  
Sample Depth: 3.0

Lab Sample ID: 880-47612-18  
Matrix: Solid

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|--|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH                                                | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 08/24/24 01:42 | 1       |  |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |      |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|--|
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.5     | U         | 49.8     | 14.5 | mg/Kg |   | 08/23/24 10:20 | 08/24/24 01:42 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 08/23/24 10:20 | 08/24/24 01:42 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 08/23/24 10:20 | 08/24/24 01:42 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 93        |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/24/24 01:42 | 1       |  |
| o-Terphenyl                                               | 91        |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/24/24 01:42 | 1       |  |



## Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                          | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|-----------------------------------|--------------------------|------------------------------------------------|----------|--|--|--|--|
| Lab Sample ID                     | Client Sample ID         | BFB1                                           | DFBZ1    |  |  |  |  |
|                                   |                          | (70-130)                                       | (70-130) |  |  |  |  |
| 880-47612-6                       | CSB-001-4.0-20240822     | 104                                            | 93       |  |  |  |  |
| 880-47612-6 MS                    | CSB-001-4.0-20240822     | 98                                             | 93       |  |  |  |  |
| 880-47612-6 MSD                   | CSB-001-4.0-20240822     | 99                                             | 95       |  |  |  |  |
| 880-47612-7                       | CSB-002-4.0-20240822     | 104                                            | 93       |  |  |  |  |
| 880-47612-8                       | CSB-006-4.0-20240822     | 103                                            | 93       |  |  |  |  |
| 880-47612-9                       | CSB-007-4.0-20240822     | 102                                            | 93       |  |  |  |  |
| 880-47612-10                      | CSB-008-4.0-20240822     | 109                                            | 92       |  |  |  |  |
| 880-47612-11                      | CSB-009-4.0-20240822     | 101                                            | 93       |  |  |  |  |
| 880-47612-12                      | CSW-20-0-3-20240822      | 104                                            | 93       |  |  |  |  |
| 880-47612-13                      | CSW-21-0-3-20240822      | 102                                            | 93       |  |  |  |  |
| 880-47612-14                      | CSW-22-0-3-20240822      | 105                                            | 94       |  |  |  |  |
| 880-47612-15                      | CSB-014-3.0-20240822     | 104                                            | 94       |  |  |  |  |
| 880-47612-16                      | CSB-015-3.0-20240822     | 104                                            | 94       |  |  |  |  |
| 880-47612-17                      | CSB-016-3.0-20240822     | 104                                            | 94       |  |  |  |  |
| 880-47612-18                      | CSB-016-Dup-3.0-20240822 | 109                                            | 95       |  |  |  |  |
| LCS 880-89252/1-A                 | Lab Control Sample       | 98                                             | 95       |  |  |  |  |
| LCSD 880-89252/2-A                | Lab Control Sample Dup   | 98                                             | 97       |  |  |  |  |
| MB 880-89252/5-A                  | Method Blank             | 100                                            | 87       |  |  |  |  |
| <b>Surrogate Legend</b>           |                          |                                                |          |  |  |  |  |
| BFB = 4-Bromofluorobenzene (Surr) |                          |                                                |          |  |  |  |  |
| DFBZ = 1,4-Difluorobenzene (Surr) |                          |                                                |          |  |  |  |  |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                     |                          | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|---------------------|--------------------------|------------------------------------------------|----------|--|--|--|--|
| Lab Sample ID       | Client Sample ID         | 1CO1                                           | OTPH1    |  |  |  |  |
|                     |                          | (70-130)                                       | (70-130) |  |  |  |  |
| 880-47612-6         | CSB-001-4.0-20240822     | 93                                             | 81       |  |  |  |  |
| 880-47612-7         | CSB-002-4.0-20240822     | 105                                            | 102      |  |  |  |  |
| 880-47612-7 MS      | CSB-002-4.0-20240822     | 100                                            | 109      |  |  |  |  |
| 880-47612-7 MSD     | CSB-002-4.0-20240822     | 100                                            | 110      |  |  |  |  |
| 880-47612-8         | CSB-006-4.0-20240822     | 100                                            | 98       |  |  |  |  |
| 880-47612-9         | CSB-007-4.0-20240822     | 102                                            | 101      |  |  |  |  |
| 880-47612-10        | CSB-008-4.0-20240822     | 94                                             | 91       |  |  |  |  |
| 880-47612-11        | CSB-009-4.0-20240822     | 105                                            | 101      |  |  |  |  |
| 880-47612-12        | CSW-20-0-3-20240822      | 106                                            | 105      |  |  |  |  |
| 880-47612-13        | CSW-21-0-3-20240822      | 111                                            | 108      |  |  |  |  |
| 880-47612-14        | CSW-22-0-3-20240822      | 103                                            | 100      |  |  |  |  |
| 880-47612-15        | CSB-014-3.0-20240822     | 99                                             | 96       |  |  |  |  |
| 880-47612-16        | CSB-015-3.0-20240822     | 94                                             | 91       |  |  |  |  |
| 880-47612-17        | CSB-016-3.0-20240822     | 100                                            | 97       |  |  |  |  |
| 880-47612-18        | CSB-016-Dup-3.0-20240822 | 93                                             | 91       |  |  |  |  |
| 880-47616-A-1-F MS  | Matrix Spike             | 113                                            | 90       |  |  |  |  |
| 880-47616-A-1-G MSD | Matrix Spike Duplicate   | 91                                             | 87       |  |  |  |  |
| LCS 880-89272/2-A   | Lab Control Sample       | 97                                             | 84       |  |  |  |  |
| LCS 880-89274/2-A   | Lab Control Sample       | 93                                             | 111      |  |  |  |  |
| LCS 880-89419/2-A   | Lab Control Sample       | 90                                             | 126      |  |  |  |  |
| LCSD 880-89272/3-A  | Lab Control Sample Dup   | 81                                             | 86       |  |  |  |  |

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Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

|                      |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|----------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID        | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| LCSD 880-89274/3-A   | Lab Control Sample Dup | 108                                            | 106               |
| LCSD 880-89419/3-A   | Lab Control Sample Dup | 128                                            | 141 S1+           |
| MB 880-89272/1-A     | Method Blank           | 117                                            | 106               |
| MB 880-89274/1-A     | Method Blank           | 96                                             | 99                |
| MB 880-89419/1-A     | Method Blank           | 100                                            | 102               |
| Surrogate Legend     |                        |                                                |                   |
| 1CO = 1-Chlorooctane |                        |                                                |                   |
| OTPH = o-Terphenyl   |                        |                                                |                   |



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-89252/5-A

Matrix: Solid

Analysis Batch: 89245

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89252

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139     | U               | 0.00200 | 0.00139 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 11:53 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | 0.00200 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 11:53 | 1       |
| Ethylbenzene        | <0.00109     | U               | 0.00200 | 0.00109 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 11:53 | 1       |
| m-Xylene & p-Xylene | <0.00229     | U               | 0.00400 | 0.00229 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 11:53 | 1       |
| o-Xylene            | <0.00158     | U               | 0.00200 | 0.00158 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 11:53 | 1       |
| Xylenes, Total      | <0.00229     | U               | 0.00400 | 0.00229 | mg/Kg |   | 08/23/24 09:03 | 08/23/24 11:53 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100             |                 | 70 - 130 | 08/23/24 09:03 | 08/23/24 11:53 | 1       |
| 1,4-Difluorobenzene (Surr)  | 87              |                 | 70 - 130 | 08/23/24 09:03 | 08/23/24 11:53 | 1       |

Lab Sample ID: LCS 880-89252/1-A

Matrix: Solid

Analysis Batch: 89245

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89252

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.09432       |                  | mg/Kg |   | 94   | 70 - 130       |
| Toluene             | 0.100          | 0.09065       |                  | mg/Kg |   | 91   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.08911       |                  | mg/Kg |   | 89   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1898        |                  | mg/Kg |   | 95   | 70 - 130       |
| o-Xylene            | 0.100          | 0.09593       |                  | mg/Kg |   | 96   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 98               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 95               |                  | 70 - 130 |

Lab Sample ID: LCSD 880-89252/2-A

Matrix: Solid

Analysis Batch: 89245

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89252

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1045         |                   | mg/Kg |   | 104  | 70 - 130       | 10  | 35           |
| Toluene             | 0.100          | 0.09986        |                   | mg/Kg |   | 100  | 70 - 130       | 10  | 35           |
| Ethylbenzene        | 0.100          | 0.09883        |                   | mg/Kg |   | 99   | 70 - 130       | 10  | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2091         |                   | mg/Kg |   | 105  | 70 - 130       | 10  | 35           |
| o-Xylene            | 0.100          | 0.1047         |                   | mg/Kg |   | 105  | 70 - 130       | 9   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 98                |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97                |                   | 70 - 130 |

Lab Sample ID: 880-47612-6 MS

Matrix: Solid

Analysis Batch: 89245

Client Sample ID: CSB-001-4.0-20240822

Prep Type: Total/NA

Prep Batch: 89252

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00139         | U                   | 0.100          | 0.09654      |                 | mg/Kg |   | 97   | 70 - 130       |
| Toluene | <0.00200         | U                   | 0.100          | 0.09247      |                 | mg/Kg |   | 92   | 70 - 130       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-47612-6 MS

Matrix: Solid

Analysis Batch: 89245

Client Sample ID: CSB-001-4.0-20240822

Prep Type: Total/NA

Prep Batch: 89252

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00109      | U                | 0.100       | 0.09120   |              | mg/Kg |   | 91   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00228      | U                | 0.200       | 0.1930    |              | mg/Kg |   | 97   | 70 - 130    |
| o-Xylene            | <0.00158      | U                | 0.100       | 0.09681   |              | mg/Kg |   | 97   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 98           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 93           |              | 70 - 130 |

Lab Sample ID: 880-47612-6 MSD

Matrix: Solid

Analysis Batch: 89245

Client Sample ID: CSB-001-4.0-20240822

Prep Type: Total/NA

Prep Batch: 89252

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00139      | U                | 0.100       | 0.1014     |               | mg/Kg |   | 101  | 70 - 130    | 5   | 35        |
| Toluene             | <0.00200      | U                | 0.100       | 0.09627    |               | mg/Kg |   | 96   | 70 - 130    | 4   | 35        |
| Ethylbenzene        | <0.00109      | U                | 0.100       | 0.09495    |               | mg/Kg |   | 95   | 70 - 130    | 4   | 35        |
| m-Xylene & p-Xylene | <0.00228      | U                | 0.200       | 0.2015     |               | mg/Kg |   | 101  | 70 - 130    | 4   | 35        |
| o-Xylene            | <0.00158      | U                | 0.100       | 0.1011     |               | mg/Kg |   | 101  | 70 - 130    | 4   | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 99            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 95            |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-89272/1-A

Matrix: Solid

Analysis Batch: 89258

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89272

| Analyte                              | MB Result | MB Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U            | 50.0 | 14.5 | mg/Kg |   | 08/23/24 10:17 | 08/23/24 21:08 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U            | 50.0 | 15.1 | mg/Kg |   | 08/23/24 10:17 | 08/23/24 21:08 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U            | 50.0 | 15.1 | mg/Kg |   | 08/23/24 10:17 | 08/23/24 21:08 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 117          |              | 70 - 130 | 08/23/24 10:17 | 08/23/24 21:08 | 1       |
| o-Terphenyl    | 106          |              | 70 - 130 | 08/23/24 10:17 | 08/23/24 21:08 | 1       |

Lab Sample ID: LCS 880-89272/2-A

Matrix: Solid

Analysis Batch: 89258

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89272

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 830.4      |               | mg/Kg |   | 83   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 763.4      |               | mg/Kg |   | 76   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-89272/2-A  
Matrix: Solid  
Analysis Batch: 89258

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 89272

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 97        |           | 70 - 130 |
| o-Terphenyl    | 84        |           | 70 - 130 |

Lab Sample ID: LCSD 880-89272/3-A  
Matrix: Solid  
Analysis Batch: 89258

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 89272

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 838.8       |                | mg/Kg |   | 84   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 822.1       |                | mg/Kg |   | 82   | 70 - 130    | 7   | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 81        |           | 70 - 130 |
| o-Terphenyl    | 86        |           | 70 - 130 |

Lab Sample ID: 880-47616-A-1-F MS  
Matrix: Solid  
Analysis Batch: 89258

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 89272

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 998         | 819.1     |              | mg/Kg |   | 82   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <15.1         | U                | 998         | 847.0     |              | mg/Kg |   | 85   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 113       |           | 70 - 130 |
| o-Terphenyl    | 90        |           | 70 - 130 |

Lab Sample ID: 880-47616-A-1-G MSD  
Matrix: Solid  
Analysis Batch: 89258

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 89272

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 998         | 806.4      |               | mg/Kg |   | 81   | 70 - 130    | 2   | 20        |
| Diesel Range Organics (Over C10-C28) | <15.1         | U                | 998         | 876.3      |               | mg/Kg |   | 88   | 70 - 130    | 3   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 91        |           | 70 - 130 |
| o-Terphenyl    | 87        |           | 70 - 130 |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-89274/1-A

Matrix: Solid

Analysis Batch: 89260

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89274

| Analyte                              | MB        | MB        | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
|                                      | Result    | Qualifier |          |      |       |   |                |                |         |
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 08/23/24 10:20 | 08/23/24 21:08 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 08/23/24 10:20 | 08/23/24 21:08 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 08/23/24 10:20 | 08/23/24 21:08 | 1       |
| Surrogate                            | MB        | MB        | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
|                                      | %Recovery | Qualifier |          |      |       |   |                |                |         |
| 1-Chlorooctane                       | 96        |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/23/24 21:08 | 1       |
| o-Terphenyl                          | 99        |           | 70 - 130 |      |       |   | 08/23/24 10:20 | 08/23/24 21:08 | 1       |

Lab Sample ID: LCS 880-89274/2-A

Matrix: Solid

Analysis Batch: 89260

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89274

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
|                                      |             |            |               |       |   |      |             |
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 881.2      |               | mg/Kg |   | 88   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1071       |               | mg/Kg |   | 107  | 70 - 130    |
| Surrogate                            | LCS         | LCS        | Limits        |       |   |      |             |
|                                      | %Recovery   | Qualifier  |               |       |   |      |             |
| 1-Chlorooctane                       | 93          |            | 70 - 130      |       |   |      |             |
| o-Terphenyl                          | 111         |            | 70 - 130      |       |   |      |             |

Lab Sample ID: LCSD 880-89274/3-A

Matrix: Solid

Analysis Batch: 89260

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89274

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
|                                      |             |             |                |       |   |      |             |     |           |
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 860.2       |                | mg/Kg |   | 86   | 70 - 130    | 2   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 928.5       |                | mg/Kg |   | 93   | 70 - 130    | 14  | 20        |
| Surrogate                            | LCSD        | LCSD        | Limits         |       |   |      |             |     |           |
|                                      | %Recovery   | Qualifier   |                |       |   |      |             |     |           |
| 1-Chlorooctane                       | 108         |             | 70 - 130       |       |   |      |             |     |           |
| o-Terphenyl                          | 106         |             | 70 - 130       |       |   |      |             |     |           |

Lab Sample ID: MB 880-89419/1-A

Matrix: Solid

Analysis Batch: 89394

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89419

| Analyte                              | MB     | MB        | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
|                                      | Result | Qualifier |      |      |       |   |                |                |         |
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 50.0 | 14.5 | mg/Kg |   | 08/26/24 08:00 | 08/26/24 10:19 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 08/26/24 08:00 | 08/26/24 10:19 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 08/26/24 08:00 | 08/26/24 10:19 | 1       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-89419/1-A  
Matrix: Solid  
Analysis Batch: 89394

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 89419

|                | MB        | MB        |          |                |                |         |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane | 100       |           | 70 - 130 | 08/26/24 08:00 | 08/26/24 10:19 | 1       |
| o-Terphenyl    | 102       |           | 70 - 130 | 08/26/24 08:00 | 08/26/24 10:19 | 1       |

Lab Sample ID: LCS 880-89419/2-A  
Matrix: Solid  
Analysis Batch: 89394

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 89419

|                                      |           |           | Spike    | LCS    | LCS       |       |   |      | %Rec     |  |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|--|--|
| Analyte                              |           |           | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   |  |  |
| Gasoline Range Organics (GRO)-C6-C10 |           |           | 1000     | 919.5  |           | mg/Kg |   | 92   | 70 - 130 |  |  |
| Diesel Range Organics (Over C10-C28) |           |           | 1000     | 1256   |           | mg/Kg |   | 126  | 70 - 130 |  |  |
| Surrogate                            |           | LCS       | LCS      |        |           |       |   |      |          |  |  |
|                                      | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |  |  |
| 1-Chlorooctane                       | 90        |           | 70 - 130 |        |           |       |   |      |          |  |  |
| o-Terphenyl                          | 126       |           | 70 - 130 |        |           |       |   |      |          |  |  |

Lab Sample ID: LCSD 880-89419/3-A  
Matrix: Solid  
Analysis Batch: 89394

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 89419

|                                      |           |           | Spike    | LCSD   | LCSD      |       |   |      | %Rec     |     | RPD   |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte                              |           |           | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |  |
| Gasoline Range Organics (GRO)-C6-C10 |           |           | 1000     | 1103   |           | mg/Kg |   | 110  | 70 - 130 | 18  | 20    |  |
| Diesel Range Organics (Over C10-C28) |           |           | 1000     | 1368   | *+        | mg/Kg |   | 137  | 70 - 130 | 9   | 20    |  |
| Surrogate                            |           | LCSD      | LCSD     |        |           |       |   |      |          |     |       |  |
|                                      | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |     |       |  |
| 1-Chlorooctane                       | 128       |           | 70 - 130 |        |           |       |   |      |          |     |       |  |
| o-Terphenyl                          | 141       | S1+       | 70 - 130 |        |           |       |   |      |          |     |       |  |

Lab Sample ID: 880-47612-7 MS  
Matrix: Solid  
Analysis Batch: 89394

Client Sample ID: CSB-002-4.0-20240822  
Prep Type: Total/NA  
Prep Batch: 89419

|                                      | Sample    | Sample    | Spike    | MS     | MS        |       |   |      | %Rec     |  |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|--|--|
| Analyte                              | Result    | Qualifier | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   |  |  |
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 1000     | 885.1  |           | mg/Kg |   | 88   | 70 - 130 |  |  |
| Diesel Range Organics (Over C10-C28) | <15.1     | U **      | 1000     | 1048   |           | mg/Kg |   | 104  | 70 - 130 |  |  |
| Surrogate                            |           | MS        | MS       |        |           |       |   |      |          |  |  |
|                                      | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |  |  |
| 1-Chlorooctane                       | 100       |           | 70 - 130 |        |           |       |   |      |          |  |  |
| o-Terphenyl                          | 109       |           | 70 - 130 |        |           |       |   |      |          |  |  |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: 880-47612-7 MSD**

**Client Sample ID: CSB-002-4.0-20240822**

**Matrix: Solid**

Prep Type: Total/NA

**Analysis Batch: 89394**

**Prep Batch: 89419**

| Analyte                              | Sample           | Sample           | Spike    | MSD    | MSD       | Unit  | D | %Rec | %Rec     | RPD | RPD    |
|--------------------------------------|------------------|------------------|----------|--------|-----------|-------|---|------|----------|-----|--------|
|                                      | Result           | Qualifier        | Added    | Result | Qualifier |       |   |      | Limits   |     | Limits |
| Gasoline Range Organics (GRO)-C6-C10 | <14.5            | U                | 1000     | 895.4  |           | mg/Kg |   | 89   | 70 - 130 | 1   | 20     |
| Diesel Range Organics (Over C10-C28) | <15.1            | U +*             | 1000     | 1079   |           | mg/Kg |   | 108  | 70 - 130 | 3   | 20     |
| Surrogate                            | MSD<br>%Recovery | MSD<br>Qualifier | Limits   |        |           |       |   |      |          |     |        |
| 1-Chlorooctane                       | 100              |                  | 70 - 130 |        |           |       |   |      |          |     |        |
| o-Terphenyl                          | 110              |                  | 70 - 130 |        |           |       |   |      |          |     |        |



## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

## GC VOA

## Analysis Batch: 89245

| Lab Sample ID      | Client Sample ID         | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------------|-----------|--------|--------|------------|
| 880-47612-6        | CSB-001-4.0-20240822     | Total/NA  | Solid  | 8021B  | 89252      |
| 880-47612-7        | CSB-002-4.0-20240822     | Total/NA  | Solid  | 8021B  | 89252      |
| 880-47612-8        | CSB-006-4.0-20240822     | Total/NA  | Solid  | 8021B  | 89252      |
| 880-47612-9        | CSB-007-4.0-20240822     | Total/NA  | Solid  | 8021B  | 89252      |
| 880-47612-10       | CSB-008-4.0-20240822     | Total/NA  | Solid  | 8021B  | 89252      |
| 880-47612-11       | CSB-009-4.0-20240822     | Total/NA  | Solid  | 8021B  | 89252      |
| 880-47612-12       | CSW-20-0-3-20240822      | Total/NA  | Solid  | 8021B  | 89252      |
| 880-47612-13       | CSW-21-0-3-20240822      | Total/NA  | Solid  | 8021B  | 89252      |
| 880-47612-14       | CSW-22-0-3-20240822      | Total/NA  | Solid  | 8021B  | 89252      |
| 880-47612-15       | CSB-014-3.0-20240822     | Total/NA  | Solid  | 8021B  | 89252      |
| 880-47612-16       | CSB-015-3.0-20240822     | Total/NA  | Solid  | 8021B  | 89252      |
| 880-47612-17       | CSB-016-3.0-20240822     | Total/NA  | Solid  | 8021B  | 89252      |
| 880-47612-18       | CSB-016-Dup-3.0-20240822 | Total/NA  | Solid  | 8021B  | 89252      |
| MB 880-89252/5-A   | Method Blank             | Total/NA  | Solid  | 8021B  | 89252      |
| LCS 880-89252/1-A  | Lab Control Sample       | Total/NA  | Solid  | 8021B  | 89252      |
| LCSD 880-89252/2-A | Lab Control Sample Dup   | Total/NA  | Solid  | 8021B  | 89252      |
| 880-47612-6 MS     | CSB-001-4.0-20240822     | Total/NA  | Solid  | 8021B  | 89252      |
| 880-47612-6 MSD    | CSB-001-4.0-20240822     | Total/NA  | Solid  | 8021B  | 89252      |

## Prep Batch: 89252

| Lab Sample ID      | Client Sample ID         | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------------|-----------|--------|--------|------------|
| 880-47612-6        | CSB-001-4.0-20240822     | Total/NA  | Solid  | 5035   |            |
| 880-47612-7        | CSB-002-4.0-20240822     | Total/NA  | Solid  | 5035   |            |
| 880-47612-8        | CSB-006-4.0-20240822     | Total/NA  | Solid  | 5035   |            |
| 880-47612-9        | CSB-007-4.0-20240822     | Total/NA  | Solid  | 5035   |            |
| 880-47612-10       | CSB-008-4.0-20240822     | Total/NA  | Solid  | 5035   |            |
| 880-47612-11       | CSB-009-4.0-20240822     | Total/NA  | Solid  | 5035   |            |
| 880-47612-12       | CSW-20-0-3-20240822      | Total/NA  | Solid  | 5035   |            |
| 880-47612-13       | CSW-21-0-3-20240822      | Total/NA  | Solid  | 5035   |            |
| 880-47612-14       | CSW-22-0-3-20240822      | Total/NA  | Solid  | 5035   |            |
| 880-47612-15       | CSB-014-3.0-20240822     | Total/NA  | Solid  | 5035   |            |
| 880-47612-16       | CSB-015-3.0-20240822     | Total/NA  | Solid  | 5035   |            |
| 880-47612-17       | CSB-016-3.0-20240822     | Total/NA  | Solid  | 5035   |            |
| 880-47612-18       | CSB-016-Dup-3.0-20240822 | Total/NA  | Solid  | 5035   |            |
| MB 880-89252/5-A   | Method Blank             | Total/NA  | Solid  | 5035   |            |
| LCS 880-89252/1-A  | Lab Control Sample       | Total/NA  | Solid  | 5035   |            |
| LCSD 880-89252/2-A | Lab Control Sample Dup   | Total/NA  | Solid  | 5035   |            |
| 880-47612-6 MS     | CSB-001-4.0-20240822     | Total/NA  | Solid  | 5035   |            |
| 880-47612-6 MSD    | CSB-001-4.0-20240822     | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 89416

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method     | Prep Batch |
|---------------|----------------------|-----------|--------|------------|------------|
| 880-47612-6   | CSB-001-4.0-20240822 | Total/NA  | Solid  | Total BTEX |            |
| 880-47612-7   | CSB-002-4.0-20240822 | Total/NA  | Solid  | Total BTEX |            |
| 880-47612-8   | CSB-006-4.0-20240822 | Total/NA  | Solid  | Total BTEX |            |
| 880-47612-9   | CSB-007-4.0-20240822 | Total/NA  | Solid  | Total BTEX |            |
| 880-47612-10  | CSB-008-4.0-20240822 | Total/NA  | Solid  | Total BTEX |            |
| 880-47612-11  | CSB-009-4.0-20240822 | Total/NA  | Solid  | Total BTEX |            |
| 880-47612-12  | CSW-20-0-3-20240822  | Total/NA  | Solid  | Total BTEX |            |
| 880-47612-13  | CSW-21-0-3-20240822  | Total/NA  | Solid  | Total BTEX |            |
| 880-47612-14  | CSW-22-0-3-20240822  | Total/NA  | Solid  | Total BTEX |            |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

## GC VOA (Continued)

## Analysis Batch: 89416 (Continued)

| Lab Sample ID | Client Sample ID         | Prep Type | Matrix | Method     | Prep Batch |
|---------------|--------------------------|-----------|--------|------------|------------|
| 880-47612-15  | CSB-014-3.0-20240822     | Total/NA  | Solid  | Total BTEX |            |
| 880-47612-16  | CSB-015-3.0-20240822     | Total/NA  | Solid  | Total BTEX |            |
| 880-47612-17  | CSB-016-3.0-20240822     | Total/NA  | Solid  | Total BTEX |            |
| 880-47612-18  | CSB-016-Dup-3.0-20240822 | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 89258

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-47612-6         | CSB-001-4.0-20240822   | Total/NA  | Solid  | 8015B NM | 89272      |
| MB 880-89272/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 89272      |
| LCS 880-89272/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 89272      |
| LCSD 880-89272/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 89272      |
| 880-47616-A-1-F MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 89272      |
| 880-47616-A-1-G MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 89272      |

## Analysis Batch: 89260

| Lab Sample ID      | Client Sample ID         | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|--------------------------|-----------|--------|----------|------------|
| 880-47612-8        | CSB-006-4.0-20240822     | Total/NA  | Solid  | 8015B NM | 89274      |
| 880-47612-9        | CSB-007-4.0-20240822     | Total/NA  | Solid  | 8015B NM | 89274      |
| 880-47612-10       | CSB-008-4.0-20240822     | Total/NA  | Solid  | 8015B NM | 89274      |
| 880-47612-11       | CSB-009-4.0-20240822     | Total/NA  | Solid  | 8015B NM | 89274      |
| 880-47612-12       | CSW-20-0-3-20240822      | Total/NA  | Solid  | 8015B NM | 89274      |
| 880-47612-13       | CSW-21-0-3-20240822      | Total/NA  | Solid  | 8015B NM | 89274      |
| 880-47612-14       | CSW-22-0-3-20240822      | Total/NA  | Solid  | 8015B NM | 89274      |
| 880-47612-15       | CSB-014-3.0-20240822     | Total/NA  | Solid  | 8015B NM | 89274      |
| 880-47612-16       | CSB-015-3.0-20240822     | Total/NA  | Solid  | 8015B NM | 89274      |
| 880-47612-17       | CSB-016-3.0-20240822     | Total/NA  | Solid  | 8015B NM | 89274      |
| 880-47612-18       | CSB-016-Dup-3.0-20240822 | Total/NA  | Solid  | 8015B NM | 89274      |
| MB 880-89274/1-A   | Method Blank             | Total/NA  | Solid  | 8015B NM | 89274      |
| LCS 880-89274/2-A  | Lab Control Sample       | Total/NA  | Solid  | 8015B NM | 89274      |
| LCSD 880-89274/3-A | Lab Control Sample Dup   | Total/NA  | Solid  | 8015B NM | 89274      |

## Prep Batch: 89272

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-47612-6         | CSB-001-4.0-20240822   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-89272/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-89272/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-89272/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47616-A-1-F MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47616-A-1-G MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 89274

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method      | Prep Batch |
|---------------|----------------------|-----------|--------|-------------|------------|
| 880-47612-8   | CSB-006-4.0-20240822 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47612-9   | CSB-007-4.0-20240822 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47612-10  | CSB-008-4.0-20240822 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47612-11  | CSB-009-4.0-20240822 | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47612-12  | CSW-20-0-3-20240822  | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47612-13  | CSW-21-0-3-20240822  | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47612-14  | CSW-22-0-3-20240822  | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

## GC Semi VOA (Continued)

## Prep Batch: 89274 (Continued)

| Lab Sample ID      | Client Sample ID         | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|--------------------------|-----------|--------|-------------|------------|
| 880-47612-15       | CSB-014-3.0-20240822     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47612-16       | CSB-015-3.0-20240822     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47612-17       | CSB-016-3.0-20240822     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47612-18       | CSB-016-Dup-3.0-20240822 | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-89274/1-A   | Method Blank             | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-89274/2-A  | Lab Control Sample       | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-89274/3-A | Lab Control Sample Dup   | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 89394

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47612-7        | CSB-002-4.0-20240822   | Total/NA  | Solid  | 8015B NM | 89419      |
| MB 880-89419/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 89419      |
| LCS 880-89419/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 89419      |
| LCSD 880-89419/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 89419      |
| 880-47612-7 MS     | CSB-002-4.0-20240822   | Total/NA  | Solid  | 8015B NM | 89419      |
| 880-47612-7 MSD    | CSB-002-4.0-20240822   | Total/NA  | Solid  | 8015B NM | 89419      |

## Analysis Batch: 89410

| Lab Sample ID | Client Sample ID         | Prep Type | Matrix | Method  | Prep Batch |
|---------------|--------------------------|-----------|--------|---------|------------|
| 880-47612-6   | CSB-001-4.0-20240822     | Total/NA  | Solid  | 8015 NM |            |
| 880-47612-7   | CSB-002-4.0-20240822     | Total/NA  | Solid  | 8015 NM |            |
| 880-47612-8   | CSB-006-4.0-20240822     | Total/NA  | Solid  | 8015 NM |            |
| 880-47612-9   | CSB-007-4.0-20240822     | Total/NA  | Solid  | 8015 NM |            |
| 880-47612-10  | CSB-008-4.0-20240822     | Total/NA  | Solid  | 8015 NM |            |
| 880-47612-11  | CSB-009-4.0-20240822     | Total/NA  | Solid  | 8015 NM |            |
| 880-47612-12  | CSW-20-0-3-20240822      | Total/NA  | Solid  | 8015 NM |            |
| 880-47612-13  | CSW-21-0-3-20240822      | Total/NA  | Solid  | 8015 NM |            |
| 880-47612-14  | CSW-22-0-3-20240822      | Total/NA  | Solid  | 8015 NM |            |
| 880-47612-15  | CSB-014-3.0-20240822     | Total/NA  | Solid  | 8015 NM |            |
| 880-47612-16  | CSB-015-3.0-20240822     | Total/NA  | Solid  | 8015 NM |            |
| 880-47612-17  | CSB-016-3.0-20240822     | Total/NA  | Solid  | 8015 NM |            |
| 880-47612-18  | CSB-016-Dup-3.0-20240822 | Total/NA  | Solid  | 8015 NM |            |

## Prep Batch: 89419

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-47612-7        | CSB-002-4.0-20240822   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-89419/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-89419/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-89419/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47612-7 MS     | CSB-002-4.0-20240822   | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47612-7 MSD    | CSB-002-4.0-20240822   | Total/NA  | Solid  | 8015NM Prep |            |

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Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Client Sample ID: CSB-001-4.0-20240822  
Date Collected: 08/22/24 11:15  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-6  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 89252        | 08/23/24 09:03       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89245        | 08/23/24 12:15       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89416        | 08/23/24 12:15       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89410        | 08/24/24 01:42       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 89272        | 08/23/24 10:17       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89258        | 08/24/24 01:42       | TKC     | EET MID |

Client Sample ID: CSB-002-4.0-20240822  
Date Collected: 08/22/24 11:30  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-7  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 89252        | 08/23/24 09:03       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89245        | 08/23/24 12:35       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89416        | 08/23/24 12:35       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89410        | 08/26/24 13:53       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 89419        | 08/26/24 12:29       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89394        | 08/26/24 13:53       | SM      | EET MID |

Client Sample ID: CSB-006-4.0-20240822  
Date Collected: 08/22/24 11:45  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-8  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 89252        | 08/23/24 09:03       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89245        | 08/23/24 12:56       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89416        | 08/23/24 12:56       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89410        | 08/23/24 22:46       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 89274        | 08/23/24 10:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89260        | 08/23/24 22:46       | TKC     | EET MID |

Client Sample ID: CSB-007-4.0-20240822  
Date Collected: 08/22/24 12:00  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-9  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 89252        | 08/23/24 09:03       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89245        | 08/23/24 13:17       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89416        | 08/23/24 13:17       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89410        | 08/23/24 23:02       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 89274        | 08/23/24 10:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89260        | 08/23/24 23:02       | TKC     | EET MID |

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Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Client Sample ID: CSB-008-4.0-20240822  
Date Collected: 08/22/24 12:15  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-10  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 89252        | 08/23/24 09:03       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89245        | 08/23/24 13:37       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89416        | 08/23/24 13:37       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89410        | 08/23/24 23:18       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 89274        | 08/23/24 10:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89260        | 08/23/24 23:18       | TKC     | EET MID |

Client Sample ID: CSB-009-4.0-20240822  
Date Collected: 08/22/24 12:30  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-11  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 89252        | 08/23/24 09:03       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89245        | 08/23/24 13:58       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89416        | 08/23/24 13:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89410        | 08/23/24 23:34       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.09 g        | 10 mL        | 89274        | 08/23/24 10:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89260        | 08/23/24 23:34       | TKC     | EET MID |

Client Sample ID: CSW-20-0-3-20240822  
Date Collected: 08/22/24 12:45  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-12  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 89252        | 08/23/24 09:03       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89245        | 08/23/24 14:18       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89416        | 08/23/24 14:18       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89410        | 08/23/24 23:50       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 89274        | 08/23/24 10:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89260        | 08/23/24 23:50       | TKC     | EET MID |

Client Sample ID: CSW-21-0-3-20240822  
Date Collected: 08/22/24 13:00  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-13  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 89252        | 08/23/24 09:03       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89245        | 08/23/24 16:55       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89416        | 08/23/24 16:55       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89410        | 08/24/24 00:06       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 89274        | 08/23/24 10:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89260        | 08/24/24 00:06       | TKC     | EET MID |

Eurofins Midland

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Client Sample ID: CSW-22-0-3-20240822  
Date Collected: 08/22/24 14:00  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-14  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 89252        | 08/23/24 09:03       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89245        | 08/23/24 17:15       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89416        | 08/23/24 17:15       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89410        | 08/24/24 00:21       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 89274        | 08/23/24 10:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89260        | 08/24/24 00:21       | TKC     | EET MID |

Client Sample ID: CSB-014-3.0-20240822  
Date Collected: 08/22/24 14:15  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-15  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 89252        | 08/23/24 09:03       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89245        | 08/23/24 17:36       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89416        | 08/23/24 17:36       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89410        | 08/24/24 00:38       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 89274        | 08/23/24 10:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89260        | 08/24/24 00:38       | TKC     | EET MID |

Client Sample ID: CSB-015-3.0-20240822  
Date Collected: 08/22/24 14:30  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-16  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 89252        | 08/23/24 09:03       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89245        | 08/23/24 17:56       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89416        | 08/23/24 17:56       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89410        | 08/24/24 00:54       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 89274        | 08/23/24 10:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89260        | 08/24/24 00:54       | TKC     | EET MID |

Client Sample ID: CSB-016-3.0-20240822  
Date Collected: 08/22/24 14:45  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-17  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 89252        | 08/23/24 09:03       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89245        | 08/23/24 18:17       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89416        | 08/23/24 18:17       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89410        | 08/24/24 01:25       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 89274        | 08/23/24 10:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89260        | 08/24/24 01:25       | TKC     | EET MID |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Client Sample ID: CSB-016-Dup-3.0-20240822  
Date Collected: 08/22/24 14:45  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-18  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 89252        | 08/23/24 09:03       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89245        | 08/23/24 18:37       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89416        | 08/23/24 18:37       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89410        | 08/24/24 01:42       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 89274        | 08/23/24 10:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89260        | 08/24/24 01:42       | TKC     | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |



Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

| Method      | Method Description               | Protocol | Laboratory |
|-------------|----------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)  | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation           | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 5035        | Closed System Purge and Trap     | SW846    | EET MID    |
| 8015NM Prep | Microextraction                  | SW846    | EET MID    |

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID         | Matrix | Collected      | Received       | Depth |
|---------------|--------------------------|--------|----------------|----------------|-------|
| 880-47612-6   | CSB-001-4.0-20240822     | Solid  | 08/22/24 11:15 | 08/23/24 08:00 | 4.0   |
| 880-47612-7   | CSB-002-4.0-20240822     | Solid  | 08/22/24 11:30 | 08/23/24 08:00 | 4.0   |
| 880-47612-8   | CSB-006-4.0-20240822     | Solid  | 08/22/24 11:45 | 08/23/24 08:00 | 4.0   |
| 880-47612-9   | CSB-007-4.0-20240822     | Solid  | 08/22/24 12:00 | 08/23/24 08:00 | 4.0   |
| 880-47612-10  | CSB-008-4.0-20240822     | Solid  | 08/22/24 12:15 | 08/23/24 08:00 | 4.0   |
| 880-47612-11  | CSB-009-4.0-20240822     | Solid  | 08/22/24 12:30 | 08/23/24 08:00 | 4.0   |
| 880-47612-12  | CSW-20-0-3-20240822      | Solid  | 08/22/24 12:45 | 08/23/24 08:00 | 0-3   |
| 880-47612-13  | CSW-21-0-3-20240822      | Solid  | 08/22/24 13:00 | 08/23/24 08:00 | 0-3   |
| 880-47612-14  | CSW-22-0-3-20240822      | Solid  | 08/22/24 14:00 | 08/23/24 08:00 | 0-3   |
| 880-47612-15  | CSB-014-3.0-20240822     | Solid  | 08/22/24 14:15 | 08/23/24 08:00 | 3.0   |
| 880-47612-16  | CSB-015-3.0-20240822     | Solid  | 08/22/24 14:30 | 08/23/24 08:00 | 3.0   |
| 880-47612-17  | CSB-016-3.0-20240822     | Solid  | 08/22/24 14:45 | 08/23/24 08:00 | 3.0   |
| 880-47612-18  | CSB-016-Dup-3.0-20240822 | Solid  | 08/22/24 14:45 | 08/23/24 08:00 | 3.0   |





eurofins

## Environment Testing

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5060

Wor

880-47612 Chain of Custody

Page 1 of 2

|                  |                          |                         |                         |
|------------------|--------------------------|-------------------------|-------------------------|
| Project Manager: | Bradley Wynne            | Bill to: (if different) |                         |
| Company Name:    | AEcom                    | Company Name:           |                         |
| Address:         | 13355 Noel Rd. Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas, TX 75240         | City, State ZIP:        |                         |
| Phone:           | 214-971-1829             | Email:                  | Bradley.Wynne@AEcom.com |

|                   |               |                                                                           |      |
|-------------------|---------------|---------------------------------------------------------------------------|------|
| Project Name:     | AMONG CTB     | Turn Around                                                               |      |
| Project Number:   | 60734207      | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |      |
| Project Location: | Loving, NM    | Due Date:                                                                 | ASAP |
| Sampler's Name:   | James Loveley | TAT starts the day received by the lab, if received by 4:30pm             |      |
| PO #:             |               |                                                                           |      |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | C1 | TP | B7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                              |                                                                                                       |               |                                                                                                                    |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------|
| Total                                        | 200.7 / 6010                                                                                          | 200.8 / 6020: | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |               |                                                                                                                    |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| 1 <i>James Loveley</i>       | <i>Bradley Wynne</i>     | 8/22/24 1630 |                              |                          |           |
| 3                            |                          |              |                              |                          |           |
| 5                            |                          |              |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
 El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5060



## Environment Testing

**Work Order No:**

Page 2 of 2

[illegible]

| Total                                                                                                   | 200.7 / 6010 | 200.8 / 6020: | 8RCRA Texas 11 | Al | Sb | As | Ba | Be | B | Cd | Ca | Cr | Co | Cu | Pb | Mg | Mn | Mo | Ni | K | Se | Ag | SiO <sub>2</sub> | Na | Sr | Tl | Sn | V | Zn |  |  |
|---------------------------------------------------------------------------------------------------------|--------------|---------------|----------------|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|---|----|----|------------------|----|----|----|----|---|----|--|--|
| Circle Method(s) and Metal(s) to be analyzed                                                            |              |               |                |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |    |  |  |
| TCCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 17471 |              |               |                |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |    |  |  |

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[illegible]



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47612-1

SDG Number: Loving, NM

Login Number: 47612

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/23/2024 5:01:31 PM

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-47612-2

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/23/2024 5:01:31 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47612-2  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-2  
SDG: Loving, NM

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47612-2

Job ID: 880-47612-2

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**Job Narrative  
880-47612-2**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The samples were received on 8/23/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C.

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: CSW-01-0-3-20240822 (880-47612-1), CSB-010-6.25-20240822 (880-47612-2), CSB-012-6.25-20240822 (880-47612-3), CSB-030-7.5-20240822 (880-47612-4), CSB-108-6.75-20240822 (880-47612-5), CSB-001-4.0-20240822 (880-47612-6), CSB-002-4.0-20240822 (880-47612-7), CSB-006-4.0-20240822 (880-47612-8), CSB-007-4.0-20240822 (880-47612-9), CSB-008-4.0-20240822 (880-47612-10), CSB-009-4.0-20240822 (880-47612-11), CSW-20-0-3-20240822 (880-47612-12), CSW-21-0-3-20240822 (880-47612-13), CSW-22-0-3-20240822 (880-47612-14), CSB-014-3.0-20240822 (880-47612-15), CSB-015-3.0-20240822 (880-47612-16), CSB-016-3.0-20240822 (880-47612-17) and CSB-016-Dup-3.0-20240822 (880-47612-18).

**HPLC/IC**

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-89253 and analytical batch 880-89261 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-2  
SDG: Loving, NM

Client Sample ID: CSW-01-0-3-20240822

Lab Sample ID: 880-47612-1

Date Collected: 08/22/24 08:45

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 0-3

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 518    | F1        | 4.99 | 0.394 | mg/Kg |   |          | 08/23/24 10:59 | 1       |

Client Sample ID: CSB-010-6.25-20240822

Lab Sample ID: 880-47612-2

Date Collected: 08/22/24 09:00

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 6.25

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 562    |           | 4.96 | 0.392 | mg/Kg |   |          | 08/23/24 11:17 | 1       |

Client Sample ID: CSB-012-6.25-20240822

Lab Sample ID: 880-47612-3

Date Collected: 08/22/24 09:15

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 6.25

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 483    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/23/24 11:23 | 1       |

Client Sample ID: CSB-030-7.5-20240822

Lab Sample ID: 880-47612-4

Date Collected: 08/22/24 09:30

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 7.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 489    |           | 5.01 | 0.396 | mg/Kg |   |          | 08/23/24 11:29 | 1       |

Client Sample ID: CSB-108-6.75-20240822

Lab Sample ID: 880-47612-5

Date Collected: 08/22/24 09:45

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 6.75

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 709    |           | 5.00 | 0.395 | mg/Kg |   |          | 08/23/24 11:35 | 1       |

Client Sample ID: CSB-001-4.0-20240822

Lab Sample ID: 880-47612-6

Date Collected: 08/22/24 11:15

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 670    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/23/24 11:54 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-2  
SDG: Loving, NM

Client Sample ID: CSB-002-4.0-20240822

Lab Sample ID: 880-47612-7

Date Collected: 08/22/24 11:30

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 858    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/23/24 12:00 | 1       |

Client Sample ID: CSB-006-4.0-20240822

Lab Sample ID: 880-47612-8

Date Collected: 08/22/24 11:45

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 353    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/23/24 12:06 | 1       |

Client Sample ID: CSB-007-4.0-20240822

Lab Sample ID: 880-47612-9

Date Collected: 08/22/24 12:00

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 329    |           | 5.02 | 0.397 | mg/Kg |   |          | 08/23/24 12:12 | 1       |

Client Sample ID: CSB-008-4.0-20240822

Lab Sample ID: 880-47612-10

Date Collected: 08/22/24 12:15

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 342    |           | 5.04 | 0.398 | mg/Kg |   |          | 08/23/24 12:18 | 1       |

Client Sample ID: CSB-009-4.0-20240822

Lab Sample ID: 880-47612-11

Date Collected: 08/22/24 12:30

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 4.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 397    |           | 4.96 | 0.392 | mg/Kg |   |          | 08/23/24 12:24 | 1       |

Client Sample ID: CSW-20-0-3-20240822

Lab Sample ID: 880-47612-12

Date Collected: 08/22/24 12:45

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 0-3

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 213    |           | 5.02 | 0.397 | mg/Kg |   |          | 08/23/24 12:42 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-2  
SDG: Loving, NM

Client Sample ID: CSW-21-0-3-20240822

Lab Sample ID: 880-47612-13

Date Collected: 08/22/24 13:00

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 0-3

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 402    |           | 5.02 | 0.397 | mg/Kg |   |          | 08/23/24 12:48 | 1       |

Client Sample ID: CSW-22-0-3-20240822

Lab Sample ID: 880-47612-14

Date Collected: 08/22/24 14:00

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 0-3

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 711    |           | 5.05 | 0.399 | mg/Kg |   |          | 08/23/24 13:06 | 1       |

Client Sample ID: CSB-014-3.0-20240822

Lab Sample ID: 880-47612-15

Date Collected: 08/22/24 14:15

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 600    |           | 4.96 | 0.392 | mg/Kg |   |          | 08/23/24 13:12 | 1       |

Client Sample ID: CSB-015-3.0-20240822

Lab Sample ID: 880-47612-16

Date Collected: 08/22/24 14:30

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 338    |           | 4.97 | 0.393 | mg/Kg |   |          | 08/23/24 13:18 | 1       |

Client Sample ID: CSB-016-3.0-20240822

Lab Sample ID: 880-47612-17

Date Collected: 08/22/24 14:45

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 294    |           | 4.99 | 0.394 | mg/Kg |   |          | 08/23/24 13:24 | 1       |

Client Sample ID: CSB-016-Dup-3.0-20240822

Lab Sample ID: 880-47612-18

Date Collected: 08/22/24 14:45

Matrix: Solid

Date Received: 08/23/24 08:00

Sample Depth: 3.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 398    |           | 5.01 | 0.396 | mg/Kg |   |          | 08/23/24 13:30 | 1       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-2  
SDG: Loving, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-89253/1-A  
Matrix: Solid  
Analysis Batch: 89261

Client Sample ID: Method Blank  
Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/23/24 10:41 | 1       |

Lab Sample ID: LCS 880-89253/2-A  
Matrix: Solid  
Analysis Batch: 89261

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 236.4         |                  | mg/Kg |   | 95   | 90 - 110       |

Lab Sample ID: LCSD 880-89253/3-A  
Matrix: Solid  
Analysis Batch: 89261

Client Sample ID: Lab Control Sample Dup  
Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 236.6          |                   | mg/Kg |   | 95   | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-47612-1 MS  
Matrix: Solid  
Analysis Batch: 89261

Client Sample ID: CSW-01-0-3-20240822  
Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 518              | F1                  | 250            | 740.1        | F1              | mg/Kg |   | 89   | 90 - 110       |

Lab Sample ID: 880-47612-1 MSD  
Matrix: Solid  
Analysis Batch: 89261

Client Sample ID: CSW-01-0-3-20240822  
Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 518              | F1                  | 250            | 740.2         | F1               | mg/Kg |   | 89   | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-47612-11 MS  
Matrix: Solid  
Analysis Batch: 89261

Client Sample ID: CSB-009-4.0-20240822  
Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 397              |                     | 248            | 627.2        |                 | mg/Kg |   | 93   | 90 - 110       |

Lab Sample ID: 880-47612-11 MSD  
Matrix: Solid  
Analysis Batch: 89261

Client Sample ID: CSB-009-4.0-20240822  
Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 397              |                     | 248            | 626.3         |                  | mg/Kg |   | 93   | 90 - 110       | 0   | 20           |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-2  
SDG: Loving, NM

## HPLC/IC

## Leach Batch: 89253

| Lab Sample ID      | Client Sample ID         | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|--------------------------|-----------|--------|----------|------------|
| 880-47612-1        | CSW-01-0-3-20240822      | Soluble   | Solid  | DI Leach |            |
| 880-47612-2        | CSB-010-6.25-20240822    | Soluble   | Solid  | DI Leach |            |
| 880-47612-3        | CSB-012-6.25-20240822    | Soluble   | Solid  | DI Leach |            |
| 880-47612-4        | CSB-030-7.5-20240822     | Soluble   | Solid  | DI Leach |            |
| 880-47612-5        | CSB-108-6.75-20240822    | Soluble   | Solid  | DI Leach |            |
| 880-47612-6        | CSB-001-4.0-20240822     | Soluble   | Solid  | DI Leach |            |
| 880-47612-7        | CSB-002-4.0-20240822     | Soluble   | Solid  | DI Leach |            |
| 880-47612-8        | CSB-006-4.0-20240822     | Soluble   | Solid  | DI Leach |            |
| 880-47612-9        | CSB-007-4.0-20240822     | Soluble   | Solid  | DI Leach |            |
| 880-47612-10       | CSB-008-4.0-20240822     | Soluble   | Solid  | DI Leach |            |
| 880-47612-11       | CSB-009-4.0-20240822     | Soluble   | Solid  | DI Leach |            |
| 880-47612-12       | CSW-20-0-3-20240822      | Soluble   | Solid  | DI Leach |            |
| 880-47612-13       | CSW-21-0-3-20240822      | Soluble   | Solid  | DI Leach |            |
| 880-47612-14       | CSW-22-0-3-20240822      | Soluble   | Solid  | DI Leach |            |
| 880-47612-15       | CSB-014-3.0-20240822     | Soluble   | Solid  | DI Leach |            |
| 880-47612-16       | CSB-015-3.0-20240822     | Soluble   | Solid  | DI Leach |            |
| 880-47612-17       | CSB-016-3.0-20240822     | Soluble   | Solid  | DI Leach |            |
| 880-47612-18       | CSB-016-Dup-3.0-20240822 | Soluble   | Solid  | DI Leach |            |
| MB 880-89253/1-A   | Method Blank             | Soluble   | Solid  | DI Leach |            |
| LCS 880-89253/2-A  | Lab Control Sample       | Soluble   | Solid  | DI Leach |            |
| LCSD 880-89253/3-A | Lab Control Sample Dup   | Soluble   | Solid  | DI Leach |            |
| 880-47612-1 MS     | CSW-01-0-3-20240822      | Soluble   | Solid  | DI Leach |            |
| 880-47612-1 MSD    | CSW-01-0-3-20240822      | Soluble   | Solid  | DI Leach |            |
| 880-47612-11 MS    | CSB-009-4.0-20240822     | Soluble   | Solid  | DI Leach |            |
| 880-47612-11 MSD   | CSB-009-4.0-20240822     | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 89261

| Lab Sample ID      | Client Sample ID         | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------------|-----------|--------|--------|------------|
| 880-47612-1        | CSW-01-0-3-20240822      | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-2        | CSB-010-6.25-20240822    | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-3        | CSB-012-6.25-20240822    | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-4        | CSB-030-7.5-20240822     | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-5        | CSB-108-6.75-20240822    | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-6        | CSB-001-4.0-20240822     | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-7        | CSB-002-4.0-20240822     | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-8        | CSB-006-4.0-20240822     | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-9        | CSB-007-4.0-20240822     | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-10       | CSB-008-4.0-20240822     | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-11       | CSB-009-4.0-20240822     | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-12       | CSW-20-0-3-20240822      | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-13       | CSW-21-0-3-20240822      | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-14       | CSW-22-0-3-20240822      | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-15       | CSB-014-3.0-20240822     | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-16       | CSB-015-3.0-20240822     | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-17       | CSB-016-3.0-20240822     | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-18       | CSB-016-Dup-3.0-20240822 | Soluble   | Solid  | 300.0  | 89253      |
| MB 880-89253/1-A   | Method Blank             | Soluble   | Solid  | 300.0  | 89253      |
| LCS 880-89253/2-A  | Lab Control Sample       | Soluble   | Solid  | 300.0  | 89253      |
| LCSD 880-89253/3-A | Lab Control Sample Dup   | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-1 MS     | CSW-01-0-3-20240822      | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-1 MSD    | CSW-01-0-3-20240822      | Soluble   | Solid  | 300.0  | 89253      |

Eurofins Midland

QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-2  
SDG: Loving, NM

HPLC/IC (Continued)

Analysis Batch: 89261 (Continued)

| Lab Sample ID    | Client Sample ID     | Prep Type | Matrix | Method | Prep Batch |
|------------------|----------------------|-----------|--------|--------|------------|
| 880-47612-11 MS  | CSB-009-4.0-20240822 | Soluble   | Solid  | 300.0  | 89253      |
| 880-47612-11 MSD | CSB-009-4.0-20240822 | Soluble   | Solid  | 300.0  | 89253      |

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Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-2  
SDG: Loving, NM

Client Sample ID: CSW-01-0-3-20240822  
Date Collected: 08/22/24 08:45  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 10:59       | CH      | EET MID |

Client Sample ID: CSB-010-6.25-20240822  
Date Collected: 08/22/24 09:00  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 11:17       | CH      | EET MID |

Client Sample ID: CSB-012-6.25-20240822  
Date Collected: 08/22/24 09:15  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 11:23       | CH      | EET MID |

Client Sample ID: CSB-030-7.5-20240822  
Date Collected: 08/22/24 09:30  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 11:29       | CH      | EET MID |

Client Sample ID: CSB-108-6.75-20240822  
Date Collected: 08/22/24 09:45  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 11:35       | CH      | EET MID |

Client Sample ID: CSB-001-4.0-20240822  
Date Collected: 08/22/24 11:15  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-6  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 11:54       | CH      | EET MID |

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-2  
SDG: Loving, NM

Client Sample ID: CSB-002-4.0-20240822  
Date Collected: 08/22/24 11:30  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-7  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 12:00       | CH      | EET MID |

Client Sample ID: CSB-006-4.0-20240822  
Date Collected: 08/22/24 11:45  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-8  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 12:06       | CH      | EET MID |

Client Sample ID: CSB-007-4.0-20240822  
Date Collected: 08/22/24 12:00  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-9  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 12:12       | CH      | EET MID |

Client Sample ID: CSB-008-4.0-20240822  
Date Collected: 08/22/24 12:15  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-10  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 12:18       | CH      | EET MID |

Client Sample ID: CSB-009-4.0-20240822  
Date Collected: 08/22/24 12:30  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-11  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 12:24       | CH      | EET MID |

Client Sample ID: CSW-20-0-3-20240822  
Date Collected: 08/22/24 12:45  
Date Received: 08/23/24 08:00

Lab Sample ID: 880-47612-12  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 12:42       | CH      | EET MID |



## Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-2  
SDG: Loving, NM

Client Sample ID: CSW-21-0-3-20240822

Lab Sample ID: 880-47612-13

Date Collected: 08/22/24 13:00

Matrix: Solid

Date Received: 08/23/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 12:48       | CH      | EET MID |

Client Sample ID: CSW-22-0-3-20240822

Lab Sample ID: 880-47612-14

Date Collected: 08/22/24 14:00

Matrix: Solid

Date Received: 08/23/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 13:06       | CH      | EET MID |

Client Sample ID: CSB-014-3.0-20240822

Lab Sample ID: 880-47612-15

Date Collected: 08/22/24 14:15

Matrix: Solid

Date Received: 08/23/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 13:12       | CH      | EET MID |

Client Sample ID: CSB-015-3.0-20240822

Lab Sample ID: 880-47612-16

Date Collected: 08/22/24 14:30

Matrix: Solid

Date Received: 08/23/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 13:18       | CH      | EET MID |

Client Sample ID: CSB-016-3.0-20240822

Lab Sample ID: 880-47612-17

Date Collected: 08/22/24 14:45

Matrix: Solid

Date Received: 08/23/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 13:24       | CH      | EET MID |

Client Sample ID: CSB-016-Dup-3.0-20240822

Lab Sample ID: 880-47612-18

Date Collected: 08/22/24 14:45

Matrix: Solid

Date Received: 08/23/24 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 89253        | 08/23/24 09:03       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89261        | 08/23/24 13:30       | CH      | EET MID |

## Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-2  
SDG: Loving, NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

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Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-2  
SDG: Loving, NM

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47612-2  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID         | Matrix | Collected      | Received       | Depth |
|---------------|--------------------------|--------|----------------|----------------|-------|
| 880-47612-1   | CSW-01-0-3-20240822      | Solid  | 08/22/24 08:45 | 08/23/24 08:00 | 0-3   |
| 880-47612-2   | CSB-010-6.25-20240822    | Solid  | 08/22/24 09:00 | 08/23/24 08:00 | 6.25  |
| 880-47612-3   | CSB-012-6.25-20240822    | Solid  | 08/22/24 09:15 | 08/23/24 08:00 | 6.25  |
| 880-47612-4   | CSB-030-7.5-20240822     | Solid  | 08/22/24 09:30 | 08/23/24 08:00 | 7.5   |
| 880-47612-5   | CSB-108-6.75-20240822    | Solid  | 08/22/24 09:45 | 08/23/24 08:00 | 6.75  |
| 880-47612-6   | CSB-001-4.0-20240822     | Solid  | 08/22/24 11:15 | 08/23/24 08:00 | 4.0   |
| 880-47612-7   | CSB-002-4.0-20240822     | Solid  | 08/22/24 11:30 | 08/23/24 08:00 | 4.0   |
| 880-47612-8   | CSB-006-4.0-20240822     | Solid  | 08/22/24 11:45 | 08/23/24 08:00 | 4.0   |
| 880-47612-9   | CSB-007-4.0-20240822     | Solid  | 08/22/24 12:00 | 08/23/24 08:00 | 4.0   |
| 880-47612-10  | CSB-008-4.0-20240822     | Solid  | 08/22/24 12:15 | 08/23/24 08:00 | 4.0   |
| 880-47612-11  | CSB-009-4.0-20240822     | Solid  | 08/22/24 12:30 | 08/23/24 08:00 | 4.0   |
| 880-47612-12  | CSW-20-0-3-20240822      | Solid  | 08/22/24 12:45 | 08/23/24 08:00 | 0-3   |
| 880-47612-13  | CSW-21-0-3-20240822      | Solid  | 08/22/24 13:00 | 08/23/24 08:00 | 0-3   |
| 880-47612-14  | CSW-22-0-3-20240822      | Solid  | 08/22/24 14:00 | 08/23/24 08:00 | 0-3   |
| 880-47612-15  | CSB-014-3.0-20240822     | Solid  | 08/22/24 14:15 | 08/23/24 08:00 | 3.0   |
| 880-47612-16  | CSB-015-3.0-20240822     | Solid  | 08/22/24 14:30 | 08/23/24 08:00 | 3.0   |
| 880-47612-17  | CSB-016-3.0-20240822     | Solid  | 08/22/24 14:45 | 08/23/24 08:00 | 3.0   |
| 880-47612-18  | CSB-016-Dup-3.0-20240822 | Solid  | 08/22/24 14:45 | 08/23/24 08:00 | 3.0   |





eurofins

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060

## Environment Testing

Wor

880-47612 Chain of Custody

Page 1 of 2

|                  |                          |                         |                         |
|------------------|--------------------------|-------------------------|-------------------------|
| Project Manager: | Bradley Wynne            | Bill to: (if different) |                         |
| Company Name:    | AEcom                    | Company Name:           |                         |
| Address:         | 13355 Noel Rd. Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas, TX 75240         | City, State ZIP:        |                         |
| Phone:           | 214-971-1829             | Email:                  | Bradley.Wynne@AEcom.com |

|                   |             |                                                                           |      |
|-------------------|-------------|---------------------------------------------------------------------------|------|
| Project Name:     | AMONG CTB   | Turn Around                                                               |      |
| Project Number:   | 60734207    | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |      |
| Project Location: | Loving, NM  | Due Date:                                                                 | ASAP |
| Sampler's Name:   | James Lovey | TAT starts the day received by the lab, if received by 4:30pm             |      |
| PO #:             |             |                                                                           |      |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | C1 | TP | B7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|----------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------|
| Total                                        | 200.7 / 6010                                                                                          | 200.8 / 6020: | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |               |                                                                                                                    |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature)  | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|-------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| 1. <i>James Lovey</i> - AEcom | <i>Bradley Wynne</i>     | 8/22/24 1630 |                              |                          |           |
| 3.                            |                          | 4            |                              |                          |           |
| 5.                            |                          | 6            |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2



eurofins

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1286  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5060

## Environment Testing

Work Order No: 47612

Page 2 of 2

|                                          |  |                                       |  |                                                                                                                                                                                  |  |
|------------------------------------------|--|---------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Project Manager: <u>Bradley Wynne</u>    |  | Bill to: (if different)               |  | Work Order Comments                                                                                                                                                              |  |
| Company Name: <u>AEcom</u>               |  | Company Name:                         |  | Program: <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>              |  |
| Address: <u>13355 Noel Rd Suite 400</u>  |  | Address:                              |  | State of Project: <u>NM</u>                                                                                                                                                      |  |
| City, State ZIP: <u>Dallas, TX 75240</u> |  | City, State ZIP:                      |  | Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Phone: <u>214-971-1829</u>               |  | Email: <u>Bradley.Wynne@AEcom.com</u> |  | Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

| Project Name: <u>Amoco CTB</u>       |                                                                           | Turn Around                                                   |  | ANALYSIS REQUEST |  | Preservative Codes                              |                            |
|--------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------|--|------------------|--|-------------------------------------------------|----------------------------|
| Project Number: <u>60734207</u>      | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Due Date: <u>ASAP</u>                                         |  |                  |  | None: NO                                        | DI Water: H <sub>2</sub> O |
| Project Location: <u>Loving, NM</u>  |                                                                           | TAT starts the day received by the lab, if received by 4:30pm |  |                  |  | Cool: Cool                                      | MeOH: Me                   |
| Sampler's Name: <u>Jones, Lovely</u> |                                                                           |                                                               |  |                  |  | HCL: HC                                         | HNO <sub>3</sub>           |
| PO #: <u></u>                        |                                                                           |                                                               |  |                  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na                   |

| SAMPLE RECEIPT           |  | Temp Blank: |  | Yes |  | No                     |  | Wet Ice: |  | Yes |  | No |  |
|--------------------------|--|-------------|--|-----|--|------------------------|--|----------|--|-----|--|----|--|
| Samples Received Intact: |  | Yes         |  | No  |  | Thermometer ID:        |  |          |  |     |  |    |  |
| Cooler Custody Seals:    |  | Yes         |  | No  |  | Correction Factor:     |  |          |  |     |  |    |  |
| Sample Custody Seals:    |  | Yes         |  | No  |  | Temperature Reading:   |  |          |  |     |  |    |  |
| Total Containers:        |  |             |  |     |  | Corrected Temperature: |  |          |  |     |  |    |  |

| Sample Identification    | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters       | Pres. Code | ANALYSIS REQUEST | Preservative Codes | Sample Comments |
|--------------------------|--------|--------------|--------------|-------|-----------|-----------|------------------|------------|------------------|--------------------|-----------------|
| CSB-009-4.0-20240824     | SL     | 8/22/24      | 1230         | 4.0   | C         | 1         | Chlorides - ASAP |            |                  |                    |                 |
| CSW-20-0.3-20240822      |        | 8/22/24      | 1245         | 0-3   | C         | 1         | BTEX - 2 Day     |            |                  |                    |                 |
| CSW-21-0.3-20240822      |        | 8/22/24      | 1300         | 0-3   | C         | 1         | TPH - 2 Day      |            |                  |                    |                 |
| CSW-22-0.3-20240822      |        | 8/22/24      | 1400         | 0-3   | C         | 1         |                  |            |                  |                    |                 |
| CSB-014-3.0-20240824     |        | 8/22/24      | 1415         | 3.0   | C         | 1         |                  |            |                  |                    |                 |
| CSB-015-3.0-20240824     |        | 8/22/24      | 1430         | 3.0   | C         | 1         |                  |            |                  |                    |                 |
| CSB-016-3.0-20240824     |        | 8/22/24      | 1445         | 3.0   | C         | 1         |                  |            |                  |                    |                 |
| CSB-016-Dup-3.0-20240824 |        | 8/22/24      | 1445         | 3.0   | C         | 1         |                  |            |                  |                    |                 |

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time                 |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|---------------------------|
| <u>[Signature]</u>           | <u>[Signature]</u>       | 8/23/24 500 |                              |                          | 8/22/24 1630 <sup>2</sup> |
|                              |                          |             |                              |                          |                           |
|                              |                          |             |                              |                          |                           |
|                              |                          |             |                              |                          |                           |



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47612-2

SDG Number: Loving, NM

Login Number: 47612

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/27/2024 8:35:10 AM Revision 1

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-47646-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/27/2024 8:35:10 AM  
Revision 1

Authorized for release by  
John Builes, Project Manager  
[John.Builes@et.eurofinsus.com](mailto:John.Builes@et.eurofinsus.com)  
Designee for  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47646-1  
SDG: Loving, NM

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## Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47646-1  
SDG: Loving, NM

## Qualifiers

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47646-1

**Job ID: 880-47646-1**

**Eurofins Midland**

### Job Narrative 880-47646-1

#### REVISION

The report being provided is a revision of the original report sent on 8/26/2024. The report (revision 1) is being revised due to Per client email, chloride data needs to be reviewed ASAP.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### **Receipt**

The samples were received on 8/26/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

#### **HPLC/IC**

Method 300\_ORGFM\_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-89432 and analytical batch 880-89433 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: CSW-19-0-3-20240823 (880-47646-1), CSB-005-4.5-20240823 (880-47646-2), CSB-095-7.0-20240823 (880-47646-3), CSB-112-3.5-20240823 (880-47646-4), CSB-077-12.0-20240823 (880-47646-5), CSB-049-10.0-20240823 (880-47646-6), CSB-059-13.0-20240823 (880-47646-7), CSB-068-14.0-20240823 (880-47646-8), CSB-069-15.0-20240823 (880-47646-9), (880-47646-A-1-E MS) and (880-47646-A-1-F MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland



## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47646-1  
SDG: Loving, NM

Client Sample ID: CSW-19-0-3-20240823

Lab Sample ID: 880-47646-1

Date Collected: 08/23/24 08:00

Matrix: Solid

Date Received: 08/26/24 08:00

Sample Depth: 0-3

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 635    | F1        | 5.03 | 0.397 | mg/Kg |   |          | 08/26/24 17:52 | 1       |

Client Sample ID: CSB-005-4.5-20240823

Lab Sample ID: 880-47646-2

Date Collected: 08/23/24 08:15

Matrix: Solid

Date Received: 08/26/24 08:00

Sample Depth: 4.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 449    |           | 5.03 | 0.397 | mg/Kg |   |          | 08/26/24 18:50 | 1       |

Client Sample ID: CSB-095-7.0-20240823

Lab Sample ID: 880-47646-3

Date Collected: 08/23/24 09:00

Matrix: Solid

Date Received: 08/26/24 08:00

Sample Depth: 7.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 108    |           | 5.02 | 0.397 | mg/Kg |   |          | 08/26/24 18:58 | 1       |

Client Sample ID: CSB-112-3.5-20240823

Lab Sample ID: 880-47646-4

Date Collected: 08/23/24 09:15

Matrix: Solid

Date Received: 08/26/24 08:00

Sample Depth: 3.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 622    |           | 5.01 | 0.396 | mg/Kg |   |          | 08/26/24 19:06 | 1       |

Client Sample ID: CSB-077-12.0-20240823

Lab Sample ID: 880-47646-5

Date Collected: 08/23/24 10:45

Matrix: Solid

Date Received: 08/26/24 08:00

Sample Depth: 12.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 830    |           | 24.8 | 1.96 | mg/Kg |   |          | 08/26/24 19:14 | 5       |

Client Sample ID: CSB-049-10.0-20240823

Lab Sample ID: 880-47646-6

Date Collected: 08/23/24 11:40

Matrix: Solid

Date Received: 08/26/24 08:00

Sample Depth: 10.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 937    |           | 25.0 | 1.98 | mg/Kg |   |          | 08/26/24 19:38 | 5       |

Eurofins Midland

Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47646-1  
SDG: Loving, NM

Client Sample ID: CSB-059-13.0-20240823  
Date Collected: 08/23/24 13:30  
Date Received: 08/26/24 08:00  
Sample Depth: 13.0

Lab Sample ID: 880-47646-7  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |      |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                 | 758    |           | 25.1 | 1.98 | mg/Kg |   |          | 08/26/24 19:45 | 5       |

Client Sample ID: CSB-068-14.0-20240823  
Date Collected: 08/23/24 13:40  
Date Received: 08/26/24 08:00  
Sample Depth: 14.0

Lab Sample ID: 880-47646-8  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |      |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                 | 678    |           | 25.1 | 1.98 | mg/Kg |   |          | 08/26/24 19:53 | 5       |

Client Sample ID: CSB-069-15.0-20240823  
Date Collected: 08/23/24 13:50  
Date Received: 08/26/24 08:00  
Sample Depth: 15.0

Lab Sample ID: 880-47646-9  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                 | 833    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/26/24 20:01 | 1       |



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47646-1  
SDG: Loving, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-89432/1-A  
Matrix: Solid  
Analysis Batch: 89433

Client Sample ID: Method Blank  
Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/26/24 17:31 | 1       |

Lab Sample ID: LCS 880-89432/2-A  
Matrix: Solid  
Analysis Batch: 89433

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 243.9         |                  | mg/Kg |   | 98   | 90 - 110       |

Lab Sample ID: LCSD 880-89432/3-A  
Matrix: Solid  
Analysis Batch: 89433

Client Sample ID: Lab Control Sample Dup  
Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 238.3          |                   | mg/Kg |   | 95   | 90 - 110       | 2   | 20           |

Lab Sample ID: 880-47646-1 MS  
Matrix: Solid  
Analysis Batch: 89433

Client Sample ID: CSW-19-0-3-20240823  
Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 635              | F1                  | 252            | 848.2        | F1              | mg/Kg |   | 85   | 90 - 110       |

Lab Sample ID: 880-47646-1 MSD  
Matrix: Solid  
Analysis Batch: 89433

Client Sample ID: CSW-19-0-3-20240823  
Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 635              | F1                  | 252            | 855.5         | F1               | mg/Kg |   | 88   | 90 - 110       | 1   | 20           |

## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47646-1  
SDG: Loving, NM

## HPLC/IC

## Leach Batch: 89432

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47646-1        | CSW-19-0-3-20240823    | Soluble   | Solid  | DI Leach |            |
| 880-47646-2        | CSB-005-4.5-20240823   | Soluble   | Solid  | DI Leach |            |
| 880-47646-3        | CSB-095-7.0-20240823   | Soluble   | Solid  | DI Leach |            |
| 880-47646-4        | CSB-112-3.5-20240823   | Soluble   | Solid  | DI Leach |            |
| 880-47646-5        | CSB-077-12.0-20240823  | Soluble   | Solid  | DI Leach |            |
| 880-47646-6        | CSB-049-10.0-20240823  | Soluble   | Solid  | DI Leach |            |
| 880-47646-7        | CSB-059-13.0-20240823  | Soluble   | Solid  | DI Leach |            |
| 880-47646-8        | CSB-068-14.0-20240823  | Soluble   | Solid  | DI Leach |            |
| 880-47646-9        | CSB-069-15.0-20240823  | Soluble   | Solid  | DI Leach |            |
| MB 880-89432/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-89432/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-89432/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-47646-1 MS     | CSW-19-0-3-20240823    | Soluble   | Solid  | DI Leach |            |
| 880-47646-1 MSD    | CSW-19-0-3-20240823    | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 89433

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-47646-1        | CSW-19-0-3-20240823    | Soluble   | Solid  | 300.0  | 89432      |
| 880-47646-2        | CSB-005-4.5-20240823   | Soluble   | Solid  | 300.0  | 89432      |
| 880-47646-3        | CSB-095-7.0-20240823   | Soluble   | Solid  | 300.0  | 89432      |
| 880-47646-4        | CSB-112-3.5-20240823   | Soluble   | Solid  | 300.0  | 89432      |
| 880-47646-5        | CSB-077-12.0-20240823  | Soluble   | Solid  | 300.0  | 89432      |
| 880-47646-6        | CSB-049-10.0-20240823  | Soluble   | Solid  | 300.0  | 89432      |
| 880-47646-7        | CSB-059-13.0-20240823  | Soluble   | Solid  | 300.0  | 89432      |
| 880-47646-8        | CSB-068-14.0-20240823  | Soluble   | Solid  | 300.0  | 89432      |
| 880-47646-9        | CSB-069-15.0-20240823  | Soluble   | Solid  | 300.0  | 89432      |
| MB 880-89432/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 89432      |
| LCS 880-89432/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 89432      |
| LCSD 880-89432/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 89432      |
| 880-47646-1 MS     | CSW-19-0-3-20240823    | Soluble   | Solid  | 300.0  | 89432      |
| 880-47646-1 MSD    | CSW-19-0-3-20240823    | Soluble   | Solid  | 300.0  | 89432      |

Eurofins Midland



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47646-1  
SDG: Loving, NM

Client Sample ID: CSW-19-0-3-20240823  
Date Collected: 08/23/24 08:00  
Date Received: 08/26/24 08:00

Lab Sample ID: 880-47646-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 89432        | 08/26/24 16:26       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89433        | 08/26/24 17:52       | SMC     | EET MID |

Client Sample ID: CSB-005-4.5-20240823  
Date Collected: 08/23/24 08:15  
Date Received: 08/26/24 08:00

Lab Sample ID: 880-47646-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 89432        | 08/26/24 16:26       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89433        | 08/26/24 18:50       | SMC     | EET MID |

Client Sample ID: CSB-095-7.0-20240823  
Date Collected: 08/23/24 09:00  
Date Received: 08/26/24 08:00

Lab Sample ID: 880-47646-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 89432        | 08/26/24 16:26       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89433        | 08/26/24 18:58       | SMC     | EET MID |

Client Sample ID: CSB-112-3.5-20240823  
Date Collected: 08/23/24 09:15  
Date Received: 08/26/24 08:00

Lab Sample ID: 880-47646-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 89432        | 08/26/24 16:26       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89433        | 08/26/24 19:06       | SMC     | EET MID |

Client Sample ID: CSB-077-12.0-20240823  
Date Collected: 08/23/24 10:45  
Date Received: 08/26/24 08:00

Lab Sample ID: 880-47646-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 89432        | 08/26/24 16:26       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 89433        | 08/26/24 19:14       | SMC     | EET MID |

Client Sample ID: CSB-049-10.0-20240823  
Date Collected: 08/23/24 11:40  
Date Received: 08/26/24 08:00

Lab Sample ID: 880-47646-6  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 89432        | 08/26/24 16:26       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 89433        | 08/26/24 19:38       | SMC     | EET MID |

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47646-1  
SDG: Loving, NM

Client Sample ID: CSB-059-13.0-20240823  
Date Collected: 08/23/24 13:30  
Date Received: 08/26/24 08:00

Lab Sample ID: 880-47646-7  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 89432        | 08/26/24 16:26       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 89433        | 08/26/24 19:45       | SMC     | EET MID |

Client Sample ID: CSB-068-14.0-20240823  
Date Collected: 08/23/24 13:40  
Date Received: 08/26/24 08:00

Lab Sample ID: 880-47646-8  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 89432        | 08/26/24 16:26       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 89433        | 08/26/24 19:53       | SMC     | EET MID |

Client Sample ID: CSB-069-15.0-20240823  
Date Collected: 08/23/24 13:50  
Date Received: 08/26/24 08:00

Lab Sample ID: 880-47646-9  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 89432        | 08/26/24 16:26       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89433        | 08/26/24 20:01       | SMC     | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47646-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

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Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47646-1  
SDG: Loving, NM

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

ASTM = ASTM International  
EPA = US Environmental Protection Agency

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47646-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID      | Matrix | Collected      | Received       | Depth |
|---------------|-----------------------|--------|----------------|----------------|-------|
| 880-47646-1   | CSW-19-0-3-20240823   | Solid  | 08/23/24 08:00 | 08/26/24 08:00 | 0-3   |
| 880-47646-2   | CSB-005-4.5-20240823  | Solid  | 08/23/24 08:15 | 08/26/24 08:00 | 4.5   |
| 880-47646-3   | CSB-095-7.0-20240823  | Solid  | 08/23/24 09:00 | 08/26/24 08:00 | 7.0   |
| 880-47646-4   | CSB-112-3.5-20240823  | Solid  | 08/23/24 09:15 | 08/26/24 08:00 | 3.5   |
| 880-47646-5   | CSB-077-12.0-20240823 | Solid  | 08/23/24 10:45 | 08/26/24 08:00 | 12.0  |
| 880-47646-6   | CSB-049-10.0-20240823 | Solid  | 08/23/24 11:40 | 08/26/24 08:00 | 10.0  |
| 880-47646-7   | CSB-059-13.0-20240823 | Solid  | 08/23/24 13:30 | 08/26/24 08:00 | 13.0  |
| 880-47646-8   | CSB-068-14.0-20240823 | Solid  | 08/23/24 13:40 | 08/26/24 08:00 | 14.0  |
| 880-47646-9   | CSB-069-15.0-20240823 | Solid  | 08/23/24 13:50 | 08/26/24 08:00 | 15.0  |

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Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5080

Woi

880-47646 Chain of Custody



Page 1 of 1

|                  |                          |                         |                         |
|------------------|--------------------------|-------------------------|-------------------------|
| Project Manager: | Brad Wynne               | Bill to: (if different) |                         |
| Company Name:    | AECOM                    | Company Name:           |                         |
| Address:         | 13355 Noel Rd. Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas, TX 75240         | City, State ZIP:        |                         |
| Phone:           | 214-971-1829             | Email:                  | Bradley.Wynne@AECOM.com |

|                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                              |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project: NM                                                                                                                                                             |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

|                          |                                                                           |                                                                           |                 |                  |            |           |           |  |  |  |  |  |  |  |  |  |  |  |  |                    |                                                                   |  |                  |  |  |
|--------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------|------------------|------------|-----------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--------------------|-------------------------------------------------------------------|--|------------------|--|--|
| Project Name:            | Amoco CTB                                                                 | Turn Around                                                               |                 | ANALYSIS REQUEST |            |           |           |  |  |  |  |  |  |  |  |  |  |  |  | Preservative Codes |                                                                   |  |                  |  |  |
| Project Number:          | 60734267                                                                  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Due Date:       | AsAP             | Proa. Code |           |           |  |  |  |  |  |  |  |  |  |  |  |  | None: NO           | DI Water: H <sub>2</sub> O                                        |  |                  |  |  |
| Project Location:        | LOVING, NM                                                                | TAT starts the day received by the lab, if received by 4:30pm             |                 |                  |            |           |           |  |  |  |  |  |  |  |  |  |  |  |  |                    | Cool: Cool                                                        |  | MeOH: Me         |  |  |
| Sampler's Name:          | Jared Lovey                                                               |                                                                           |                 |                  |            |           |           |  |  |  |  |  |  |  |  |  |  |  |  |                    | HCL: HC                                                           |  | HNO <sub>3</sub> |  |  |
| PO #:                    |                                                                           |                                                                           |                 |                  |            |           |           |  |  |  |  |  |  |  |  |  |  |  |  |                    | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |  | NaOH: Na         |  |  |
| SAMPLE RECEIPT           | Temp Blank: Yes <input checked="" type="radio"/> No <input type="radio"/> | Wet Ice: Yes <input checked="" type="radio"/> No <input type="radio"/>    | Thermometer ID: | IR8              |            |           |           |  |  |  |  |  |  |  |  |  |  |  |  |                    | H <sub>3</sub> PO <sub>4</sub> : HP                               |  |                  |  |  |
| Samples Received Intact: | Yes <input checked="" type="radio"/> No <input type="radio"/>             | Correction Factor:                                                        |                 |                  |            |           |           |  |  |  |  |  |  |  |  |  |  |  |  |                    | NaHSO <sub>4</sub> : NABIS                                        |  |                  |  |  |
| Cooler Custody Seals:    | Yes <input type="radio"/> No <input checked="" type="radio"/> N/A         | Temperature Reading:                                                      | 1.5             |                  |            |           |           |  |  |  |  |  |  |  |  |  |  |  |  |                    | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |                  |  |  |
| Sample Custody Seals:    | Yes <input type="radio"/> No <input checked="" type="radio"/> N/A         | Corrected Temperature:                                                    | 1.5             |                  |            |           |           |  |  |  |  |  |  |  |  |  |  |  |  |                    | Zn Acetate+NaOH: Zn                                               |  |                  |  |  |
| Total Containers:        |                                                                           |                                                                           |                 |                  |            |           |           |  |  |  |  |  |  |  |  |  |  |  |  |                    | NaOH+Ascorbic Acid: SAPC                                          |  |                  |  |  |
| Sample Identification    | Matrix                                                                    | Date Sampled                                                              | Time Sampled    | Depth            | Grab Comp  | # of Cont | Chlorides |  |  |  |  |  |  |  |  |  |  |  |  |                    |                                                                   |  | Sample Comments  |  |  |
| CSB-19-0-3-20240823      | SL                                                                        | 8/23/24                                                                   | 0800            | 0-3              | C          | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |  |                    |                                                                   |  |                  |  |  |
| CSB-005-4.5-20240823     |                                                                           | 8/23/24                                                                   | 0815            | 4.5              | C          | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |  |                    |                                                                   |  |                  |  |  |
| CSB-095-7.0-20240823     |                                                                           | 8/23/24                                                                   | 0900            | 7.0              | C          | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |  |                    |                                                                   |  |                  |  |  |
| CSB-112-3.5-20240823     |                                                                           | 8/23/24                                                                   | 0915            | 3.5              | C          | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |  |                    |                                                                   |  |                  |  |  |
| CSB-077-12.0-20240823    |                                                                           | 8/23/24                                                                   | 1045            | 12.0             | C          | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |  |                    |                                                                   |  |                  |  |  |
| CSB-049-10.0-20240823    |                                                                           | 8/23/24                                                                   | 1140            | 10.0             | C          | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |  |                    |                                                                   |  |                  |  |  |
| CSB-059-13.0-20240823    |                                                                           | 8/23/24                                                                   | 1330            | 13.0             | C          | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |  |                    |                                                                   |  |                  |  |  |
| CSB-068-14.0-20240823    |                                                                           | 8/23/24                                                                   | 1340            | 14.0             | C          | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |  |                    |                                                                   |  |                  |  |  |
| CSB-069-15.0-20240823    |                                                                           | 8/23/24                                                                   | 1350            | 15.0             | C          | 1         | X         |  |  |  |  |  |  |  |  |  |  |  |  |                    |                                                                   |  |                  |  |  |

|                                              |               |                         |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |  |
|----------------------------------------------|---------------|-------------------------|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|------------------|----|----|----|----|---|---|----|--|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM             | Texas 11 | Al | Sb | As | Ba | Be | B  | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | Se | Ag | SiO <sub>2</sub> | Na | Sr | Ti | Sn | U | V | Zn |  |
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010: 8RCRA | Sb       | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se | Ag | Ti | U  |    |    |   |    |    |                  |    |    |    |    |   |   |    |  |
|                                              |               |                         |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |  |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |           |                              |                          |           |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| 3/8/24 - AECOM               | 3/8/24                   | 1630      |                              |                          |           |
|                              |                          |           |                              |                          |           |
|                              |                          |           |                              |                          |           |
|                              |                          |           |                              |                          |           |



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47646-1

SDG Number: Loving, NM

Login Number: 47646

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/28/2024 2:18:53 PM

## JOB DESCRIPTION

Amoco CTB  
Loving NM

## JOB NUMBER

880-47713-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



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Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47713-1  
SDG: Loving NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-1  
SDG: Loving NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ▫              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| SQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47713-1

Job ID: 880-47713-1

Eurofins Midland

Job Narrative  
880-47713-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/27/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-1  
SDG: Loving NM

Client Sample ID: CSW-16A-5-9-20240826

Lab Sample ID: 880-47713-1

Date Collected: 08/26/24 09:00

Matrix: Solid

Date Received: 08/27/24 08:00

Sample Depth: 5-9

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:46 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:46 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:46 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:46 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:46 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:46 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 90        |           | 70 - 130 | 08/27/24 09:03 | 08/27/24 13:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 90        |           | 70 - 130 | 08/27/24 09:03 | 08/27/24 13:46 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 08/27/24 13:46 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   |          | 08/27/24 19:45 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 50.0 | 14.5 | mg/Kg |   | 08/26/24 12:45 | 08/27/24 19:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 08/26/24 12:45 | 08/27/24 19:45 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   | 08/26/24 12:45 | 08/27/24 19:45 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 91        |           | 70 - 130 | 08/26/24 12:45 | 08/27/24 19:45 | 1       |
| o-Terphenyl    | 79        |           | 70 - 130 | 08/26/24 12:45 | 08/27/24 19:45 | 1       |

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## Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-1  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-47712-A-1-B MS                | Matrix Spike           | 111                                            | 105               |
| 880-47712-A-1-C MSD               | Matrix Spike Duplicate | 103                                            | 101               |
| 880-47713-1                       | CSW-16A-5-9-20240826   | 90                                             | 90                |
| LCS 880-89461/1-A                 | Lab Control Sample     | 107                                            | 101               |
| LCSD 880-89461/2-A                | Lab Control Sample Dup | 102                                            | 103               |
| MB 880-89461/5-A                  | Method Blank           | 76                                             | 98                |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-47669-A-7-D MS      | Matrix Spike           | 105                                            | 86                |
| 880-47669-A-7-E MSD     | Matrix Spike Duplicate | 107                                            | 87                |
| 880-47713-1             | CSW-16A-5-9-20240826   | 91                                             | 79                |
| LCS 880-89420/2-A       | Lab Control Sample     | 113                                            | 110               |
| LCSD 880-89420/3-A      | Lab Control Sample Dup | 112                                            | 109               |
| MB 880-89420/1-A        | Method Blank           | 102                                            | 92                |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-1  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-89461/5-A

Matrix: Solid

Analysis Batch: 89370

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89461

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139     | U               | 0.00200 | 0.00139 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 11:40 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | 0.00200 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 11:40 | 1       |
| Ethylbenzene        | <0.00109     | U               | 0.00200 | 0.00109 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 11:40 | 1       |
| m-Xylene & p-Xylene | <0.00229     | U               | 0.00400 | 0.00229 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 11:40 | 1       |
| o-Xylene            | <0.00158     | U               | 0.00200 | 0.00158 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 11:40 | 1       |
| Xylenes, Total      | <0.00229     | U               | 0.00400 | 0.00229 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 11:40 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 76              |                 | 70 - 130 | 08/27/24 09:03 | 08/27/24 11:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98              |                 | 70 - 130 | 08/27/24 09:03 | 08/27/24 11:40 | 1       |

Lab Sample ID: LCS 880-89461/1-A

Matrix: Solid

Analysis Batch: 89370

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89461

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.08954       |                  | mg/Kg |   | 90   | 70 - 130       |
| Toluene             | 0.100          | 0.09519       |                  | mg/Kg |   | 95   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.1003        |                  | mg/Kg |   | 100  | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.2035        |                  | mg/Kg |   | 102  | 70 - 130       |
| o-Xylene            | 0.100          | 0.09571       |                  | mg/Kg |   | 96   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 107              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-89461/2-A

Matrix: Solid

Analysis Batch: 89370

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89461

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1080         |                   | mg/Kg |   | 108  | 70 - 130       | 19  | 35           |
| Toluene             | 0.100          | 0.1083         |                   | mg/Kg |   | 108  | 70 - 130       | 13  | 35           |
| Ethylbenzene        | 0.100          | 0.1053         |                   | mg/Kg |   | 105  | 70 - 130       | 5   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2099         |                   | mg/Kg |   | 105  | 70 - 130       | 3   | 35           |
| o-Xylene            | 0.100          | 0.1074         |                   | mg/Kg |   | 107  | 70 - 130       | 12  | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 102               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 103               |                   | 70 - 130 |

Lab Sample ID: 880-47712-A-1-B MS

Matrix: Solid

Analysis Batch: 89370

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89461

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00140         | U                   | 0.100          | 0.1087       |                 | mg/Kg |   | 109  | 70 - 130       |
| Toluene | <0.00201         | U                   | 0.100          | 0.1094       |                 | mg/Kg |   | 109  | 70 - 130       |

Eurofins Midland

QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-1  
SDG: Loving NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-47712-A-1-B MS  
Matrix: Solid  
Analysis Batch: 89370

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 89461

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene                | <0.00109      | U                | 0.100       | 0.1074    |              | mg/Kg |   | 107  | 70 - 130    |
| m-Xylene & p-Xylene         | <0.00229      | U                | 0.200       | 0.2404    |              | mg/Kg |   | 120  | 70 - 130    |
| o-Xylene                    | <0.00159      | U                | 0.100       | 0.1109    |              | mg/Kg |   | 111  | 70 - 130    |
|                             |               |                  |             |           |              |       |   |      |             |
| Surrogate                   | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |
| 4-Bromofluorobenzene (Surr) | 111           |                  | 70 - 130    |           |              |       |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 105           |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 880-47712-A-1-C MSD  
Matrix: Solid  
Analysis Batch: 89370

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 89461

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene                     | <0.00140      | U                | 0.100       | 0.1031     |               | mg/Kg |   | 103  | 70 - 130    | 5   | 35        |
| Toluene                     | <0.00201      | U                | 0.100       | 0.09622    |               | mg/Kg |   | 96   | 70 - 130    | 13  | 35        |
| Ethylbenzene                | <0.00109      | U                | 0.100       | 0.1082     |               | mg/Kg |   | 108  | 70 - 130    | 1   | 35        |
| m-Xylene & p-Xylene         | <0.00229      | U                | 0.200       | 0.2206     |               | mg/Kg |   | 110  | 70 - 130    | 9   | 35        |
| o-Xylene                    | <0.00159      | U                | 0.100       | 0.1030     |               | mg/Kg |   | 103  | 70 - 130    | 7   | 35        |
|                             |               |                  |             |            |               |       |   |      |             |     |           |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 103           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 101           |                  | 70 - 130    |            |               |       |   |      |             |     |           |

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-89420/1-A  
Matrix: Solid  
Analysis Batch: 89521

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 89420

| Analyte                              | MB Result    | MB Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5        | U            | 50.0     | 14.5 | mg/Kg |   | 08/26/24 12:44 | 08/27/24 15:43 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1        | U            | 50.0     | 15.1 | mg/Kg |   | 08/26/24 12:44 | 08/27/24 15:43 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1        | U            | 50.0     | 15.1 | mg/Kg |   | 08/26/24 12:44 | 08/27/24 15:43 | 1       |
|                                      |              |              |          |      |       |   |                |                |         |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |      |       |   |                |                |         |
| 1-Chlorooctane                       | 102          |              | 70 - 130 |      |       |   |                |                |         |
| o-Terphenyl                          | 92           |              | 70 - 130 |      |       |   |                |                |         |

Lab Sample ID: LCS 880-89420/2-A  
Matrix: Solid  
Analysis Batch: 89521

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 89420

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1020       |               | mg/Kg |   | 102  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1102       |               | mg/Kg |   | 110  | 70 - 130    |

Eurofins Midland



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-1  
SDG: Loving NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-89420/2-A  
Matrix: Solid  
Analysis Batch: 89521

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 89420

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 113       |           | 70 - 130 |
| o-Terphenyl    | 110       |           | 70 - 130 |

Lab Sample ID: LCSD 880-89420/3-A  
Matrix: Solid  
Analysis Batch: 89521

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 89420

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1020        |                | mg/Kg |   | 102  | 70 - 130    | 0   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1085        |                | mg/Kg |   | 109  | 70 - 130    | 2   | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 112       |           | 70 - 130 |
| o-Terphenyl    | 109       |           | 70 - 130 |

Lab Sample ID: 880-47669-A-7-D MS  
Matrix: Solid  
Analysis Batch: 89521

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 89420

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 998         | 769.2     |              | mg/Kg |   | 77   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <15.1         | U                | 998         | 836.2     |              | mg/Kg |   | 84   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 105       |           | 70 - 130 |
| o-Terphenyl    | 86        |           | 70 - 130 |

Lab Sample ID: 880-47669-A-7-E MSD  
Matrix: Solid  
Analysis Batch: 89521

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 89420

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 998         | 798.8      |               | mg/Kg |   | 80   | 70 - 130    | 4   | 20        |
| Diesel Range Organics (Over C10-C28) | <15.1         | U                | 998         | 843.2      |               | mg/Kg |   | 84   | 70 - 130    | 1   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 107       |           | 70 - 130 |
| o-Terphenyl    | 87        |           | 70 - 130 |

Eurofins Midland

QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-1  
SDG: Loving NM

GC VOA

Analysis Batch: 89370

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-47713-1         | CSW-16A-5-9-20240826   | Total/NA  | Solid  | 8021B  | 89461      |
| MB 880-89461/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 89461      |
| LCS 880-89461/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 89461      |
| LCSD 880-89461/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 89461      |
| 880-47712-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 89461      |
| 880-47712-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 89461      |

Prep Batch: 89461

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-47713-1         | CSW-16A-5-9-20240826   | Total/NA  | Solid  | 5035   |            |
| MB 880-89461/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-89461/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-89461/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-47712-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-47712-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

Analysis Batch: 89501

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method     | Prep Batch |
|---------------|----------------------|-----------|--------|------------|------------|
| 880-47713-1   | CSW-16A-5-9-20240826 | Total/NA  | Solid  | Total BTEX |            |

GC Semi VOA

Prep Batch: 89420

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-47713-1         | CSW-16A-5-9-20240826   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-89420/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-89420/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-89420/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47669-A-7-D MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47669-A-7-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

Analysis Batch: 89521

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-47713-1         | CSW-16A-5-9-20240826   | Total/NA  | Solid  | 8015B NM | 89420      |
| MB 880-89420/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 89420      |
| LCS 880-89420/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 89420      |
| LCSD 880-89420/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 89420      |
| 880-47669-A-7-D MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 89420      |
| 880-47669-A-7-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 89420      |

Analysis Batch: 89588

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method  | Prep Batch |
|---------------|----------------------|-----------|--------|---------|------------|
| 880-47713-1   | CSW-16A-5-9-20240826 | Total/NA  | Solid  | 8015 NM |            |



Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-1  
SDG: Loving NM

Client Sample ID: CSW-16A-5-9-20240826  
Date Collected: 08/26/24 09:00  
Date Received: 08/27/24 08:00

Lab Sample ID: 880-47713-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 89461        | 08/27/24 09:03       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89370        | 08/27/24 13:46       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89501        | 08/27/24 13:46       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89588        | 08/27/24 19:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 89420        | 08/26/24 12:45       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89521        | 08/27/24 19:45       | TKC     | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-1  
SDG: Loving NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |



Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-1  
SDG: Loving NM

| Method      | Method Description               | Protocol | Laboratory |
|-------------|----------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)  | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation           | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 5035        | Closed System Purge and Trap     | SW846    | EET MID    |
| 8015NM Prep | Microextraction                  | SW846    | EET MID    |

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-1  
SDG: Loving NM

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       | Depth |
|---------------|----------------------|--------|----------------|----------------|-------|
| 880-47713-1   | CSW-16A-5-9-20240826 | Solid  | 08/26/24 09:00 | 08/27/24 08:00 | 5-9   |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14





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## Environment Testing

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1298  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 888-3198  
 Little Rock, AR (501) 224-5080



880-47713 Chain of Custody

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|                                   |  |                               |  |  |  |
|-----------------------------------|--|-------------------------------|--|--|--|
| Project Manager: Brad Wyne        |  | Bill to: (if different)       |  |  |  |
| Company Name: AECON               |  | Company Name:                 |  |  |  |
| Address: 13355 Noel Rd. Suite 400 |  | Address:                      |  |  |  |
| City, State ZIP: Dallas, TX 75240 |  | City, State ZIP:              |  |  |  |
| Phone: 214-971-1829               |  | Email: Bradley.wyne@AEcon.com |  |  |  |

|                               |  |                                                                           |  |            |  |
|-------------------------------|--|---------------------------------------------------------------------------|--|------------|--|
| Project Name: Amoco CTB       |  | Turn Around                                                               |  | Pres. Code |  |
| Project Number: 60731207      |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |            |  |
| Project Location: Lovi, NM    |  | Due Date: ASAP                                                            |  |            |  |
| Sampler's Name: James Loveley |  | TAT starts the day received by the lab, if received by 4:30pm             |  |            |  |
| PO #:                         |  |                                                                           |  |            |  |

|                                    |  |                                        |  |            |  |
|------------------------------------|--|----------------------------------------|--|------------|--|
| SAMPLE RECEIPT                     |  | Temp Blank: Yes (No) Wet Ice: Yes (No) |  | Parameters |  |
| Samples Received Intact: Yes (No)  |  | Thermometer ID: TRF                    |  |            |  |
| Cooler Custody Seals: Yes (No) N/A |  | Correction Factor: 1.3                 |  |            |  |
| Sample Custody Seals: Yes (No) N/A |  | Temperature Reading: 1.3               |  |            |  |
| Total Containers: 1.3              |  | Corrected Temperature: 1.3             |  |            |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | ANALYSIS REQUEST | PRESERVATIVE CODES                                                | SAMPLE COMMENTS            |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------------|-------------------------------------------------------------------|----------------------------|
| CSW-16A-5-9-20240826  | 5.1    | 8/26/24      | 0900         | 5-9   | C         | 1         |                  | None: NO                                                          | DI Water: H <sub>2</sub> O |
| CSB-001-4.5-20240826  | 5.1    | 8/26/24      | 0915         | 4.5   | C         | 1         |                  | Cool: Cool                                                        | MeOH: Me                   |
| CSB-002-4.5-20240826  | 5.1    | 8/26/24      | 0930         | 4.5   | C         | 1         |                  | HCL: HC                                                           | HNO <sub>3</sub>           |
| CSB-108-7.0-20240826  | 5.1    | 8/26/24      | 0945         | 7.0   | C         | 1         |                  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| CSW-22-0-3-20240826   | 5.1    | 8/26/24      | 1000         | 0-3   | C         | 1         |                  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
|                       |        |              |              |       |           |           |                  | NaHSO <sub>4</sub> : NABIS                                        |                            |
|                       |        |              |              |       |           |           |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
|                       |        |              |              |       |           |           |                  | Zn Acetate+NaOH: Zn                                               |                            |
|                       |        |              |              |       |           |           |                  | NaOH+Ascorbic Acid: SAPC                                          |                            |

|                                                                                                                                                 |                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Total 200.7/6010 200.8/6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |                                                                                                       |
| Circle Method(s) and Metal(s) to be analyzed                                                                                                    | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |              |
|------------------------------|--------------------------|--------------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    |
| James Loveley - AECON        | Bradley Wyne             | 8/26/24 1632 |
|                              |                          |              |
|                              |                          |              |

Revised Date: 08/26/2020 Rev. 2020.2

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1296  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5080



## Environment Testing



880-47713 Chain of Custody

Page 1 of 1

**Work Order Comments**

Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project: NM

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☒ ADAPT ☐ Other:

Project Manager: Brad Wyane

Company Name: AECON

Address: 13355 Noel Rd, Suite 400

City, State ZIP: Dallas, TX 75240

Phone: 214-971-1829

Email: Bradley.Wayne@Aecon.com

Bill to: (if different)

Company Name:

Address:

City, State ZIP:

Email:

**ANALYSIS REQUEST**

Project Name: Amoco CTB

Project Number: 60731207

Project Location: Lowry, NM

Sampler's Name: Jones, Lorely

PO #:

**SAMPLE RECEIPT**

Temp Blank: Yes ☒ No ☐ Wet Ice: Yes ☐ No ☒

Samples Received Intact: Yes ☒ No ☐ Thermometer ID: TRP

Cooler Custody Seals: Yes ☐ No ☒ Correction Factor: 1.3

Sample Custody Seals: Yes ☐ No ☒ Temperature Reading: 1.3

Total Containers: 1.3

**Parameters**

Pres. Code

Turn Around

☐ Routine ☒ Rush

Due Date: ASAP

TAT starts the day received by the lab, if received by 4:30pm

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-----------------|
| LSW-16A-5-9-20240826  | 5.1    | 8/26/24      | 0900         | 5-9   | C         | 1         |                 |
| LSB-001-4.5-20240826  | 5.1    | 8/26/24      | 0915         | 4.5   | C         | 1         |                 |
| LSB-002-4.5-20240826  | 5.1    | 8/26/24      | 0930         | 4.5   | C         | 1         |                 |
| LSB-108-7.0-20240826  | 5.1    | 8/26/24      | 0945         | 7.0   | C         | 1         |                 |
| LSW-22-0-3-20240826   | 5.1    | 8/26/24      | 1000         | 0-3   | C         | 1         |                 |

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature) [Signature] Received by: (Signature) [Signature] Date/Time 8/26/24 16:32

1. [Signature] - AECON

3. [Signature]

5. [Signature]

Revised Date: 08/25/2020 Rev. 2020.2



Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47713-1

SDG Number: Loving NM

Login Number: 47713

List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400

Dallas, Texas 75240

Generated 8/27/2024 3:39:22 PM

## JOB DESCRIPTION

Amoco CTB  
Loving NM

## JOB NUMBER

880-47713-2

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/27/2024 3:39:22 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47713-2  
SDG: Loving NM

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## Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-2  
SDG: Loving NM

## Qualifiers

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47713-2

**Job ID: 880-47713-2**

**Eurofins Midland**

### Job Narrative 880-47713-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/27/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C.

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-89462 and analytical batch 880-89475 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland



## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-2  
SDG: Loving NM

Client Sample ID: CSW-16A-5-9-20240826

Lab Sample ID: 880-47713-1

Date Collected: 08/26/24 09:00

Matrix: Solid

Date Received: 08/27/24 08:00

Sample Depth: 5-9

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 811    |           | 24.9 | 1.96 | mg/Kg |   |          | 08/27/24 12:13 | 5       |

Client Sample ID: CSB-001-4.5-20240826

Lab Sample ID: 880-47713-2

Date Collected: 08/26/24 09:15

Matrix: Solid

Date Received: 08/27/24 08:00

Sample Depth: 4.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 159    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/27/24 12:21 | 1       |

Client Sample ID: CSB-002-4.5-20240826

Lab Sample ID: 880-47713-3

Date Collected: 08/26/24 09:30

Matrix: Solid

Date Received: 08/27/24 08:00

Sample Depth: 4.5

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 145    |           | 5.02 | 0.397 | mg/Kg |   |          | 08/27/24 12:44 | 1       |

Client Sample ID: CSB-108-7.0-20240826

Lab Sample ID: 880-47713-4

Date Collected: 08/26/24 09:45

Matrix: Solid

Date Received: 08/27/24 08:00

Sample Depth: 7.0

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 144    |           | 4.98 | 0.393 | mg/Kg |   |          | 08/27/24 12:52 | 1       |

Client Sample ID: CSW-22-0-3-20240826

Lab Sample ID: 880-47713-5

Date Collected: 08/26/24 10:00

Matrix: Solid

Date Received: 08/27/24 08:00

Sample Depth: 0-3

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 639    |           | 4.97 | 0.393 | mg/Kg |   |          | 08/27/24 13:00 | 1       |

Eurofins Midland

## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-2  
SDG: Loving NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-89462/1-A

Matrix: Solid

Analysis Batch: 89475

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 5.00 | 0.395 | mg/Kg |   |          | 08/27/24 11:09 | 1       |

Lab Sample ID: LCS 880-89462/2-A

Matrix: Solid

Analysis Batch: 89475

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 239.1         |                  | mg/Kg |   | 96   | 90 - 110       |

Lab Sample ID: LCSD 880-89462/3-A

Matrix: Solid

Analysis Batch: 89475

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 237.8          |                   | mg/Kg |   | 95   | 90 - 110       | 1   | 20           |

Lab Sample ID: 880-47711-A-1-B MS

Matrix: Solid

Analysis Batch: 89475

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 108              | F1                  | 250            | 330.0        | F1              | mg/Kg |   | 89   | 90 - 110       |

Lab Sample ID: 880-47711-A-1-C MSD

Matrix: Solid

Analysis Batch: 89475

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 108              | F1                  | 250            | 336.1         |                  | mg/Kg |   | 91   | 90 - 110       | 2   | 20           |

Eurofins Midland



## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-2  
SDG: Loving NM

## HPLC/IC

## Leach Batch: 89462

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-47713-1         | CSW-16A-5-9-20240826   | Soluble   | Solid  | DI Leach |            |
| 880-47713-2         | CSB-001-4.5-20240826   | Soluble   | Solid  | DI Leach |            |
| 880-47713-3         | CSB-002-4.5-20240826   | Soluble   | Solid  | DI Leach |            |
| 880-47713-4         | CSB-108-7.0-20240826   | Soluble   | Solid  | DI Leach |            |
| 880-47713-5         | CSW-22-0-3-20240826    | Soluble   | Solid  | DI Leach |            |
| MB 880-89462/1-A    | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-89462/2-A   | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-89462/3-A  | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-47711-A-1-B MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-47711-A-1-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 89475

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-47713-1         | CSW-16A-5-9-20240826   | Soluble   | Solid  | 300.0  | 89462      |
| 880-47713-2         | CSB-001-4.5-20240826   | Soluble   | Solid  | 300.0  | 89462      |
| 880-47713-3         | CSB-002-4.5-20240826   | Soluble   | Solid  | 300.0  | 89462      |
| 880-47713-4         | CSB-108-7.0-20240826   | Soluble   | Solid  | 300.0  | 89462      |
| 880-47713-5         | CSW-22-0-3-20240826    | Soluble   | Solid  | 300.0  | 89462      |
| MB 880-89462/1-A    | Method Blank           | Soluble   | Solid  | 300.0  | 89462      |
| LCS 880-89462/2-A   | Lab Control Sample     | Soluble   | Solid  | 300.0  | 89462      |
| LCSD 880-89462/3-A  | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 89462      |
| 880-47711-A-1-B MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 89462      |
| 880-47711-A-1-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 89462      |

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-2  
SDG: Loving NM

Client Sample ID: CSW-16A-5-9-20240826  
Date Collected: 08/26/24 09:00  
Date Received: 08/27/24 08:00

Lab Sample ID: 880-47713-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 89462        | 08/27/24 09:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 89475        | 08/27/24 12:13       | CH      | EET MID |

Client Sample ID: CSB-001-4.5-20240826  
Date Collected: 08/26/24 09:15  
Date Received: 08/27/24 08:00

Lab Sample ID: 880-47713-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 89462        | 08/27/24 09:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89475        | 08/27/24 12:21       | CH      | EET MID |

Client Sample ID: CSB-002-4.5-20240826  
Date Collected: 08/26/24 09:30  
Date Received: 08/27/24 08:00

Lab Sample ID: 880-47713-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 89462        | 08/27/24 09:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89475        | 08/27/24 12:44       | CH      | EET MID |

Client Sample ID: CSB-108-7.0-20240826  
Date Collected: 08/26/24 09:45  
Date Received: 08/27/24 08:00

Lab Sample ID: 880-47713-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 89462        | 08/27/24 09:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89475        | 08/27/24 12:52       | CH      | EET MID |

Client Sample ID: CSW-22-0-3-20240826  
Date Collected: 08/26/24 10:00  
Date Received: 08/27/24 08:00

Lab Sample ID: 880-47713-5  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 89462        | 08/27/24 09:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89475        | 08/27/24 13:00       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-2  
SDG: Loving NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas     | NELAP   | T104704400            | 06-30-25        |

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Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-2  
SDG: Loving NM

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | EPA      | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47713-2  
SDG: Loving NM

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       | Depth |
|---------------|----------------------|--------|----------------|----------------|-------|
| 880-47713-1   | CSW-16A-5-9-20240826 | Solid  | 08/26/24 09:00 | 08/27/24 08:00 | 5-9   |
| 880-47713-2   | CSB-001-4.5-20240826 | Solid  | 08/26/24 09:15 | 08/27/24 08:00 | 4.5   |
| 880-47713-3   | CSB-002-4.5-20240826 | Solid  | 08/26/24 09:30 | 08/27/24 08:00 | 4.5   |
| 880-47713-4   | CSB-108-7.0-20240826 | Solid  | 08/26/24 09:45 | 08/27/24 08:00 | 7.0   |
| 880-47713-5   | CSW-22-0-3-20240826  | Solid  | 08/26/24 10:00 | 08/27/24 08:00 | 0-3   |

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## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1298  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 886-3198  
Little Rock, AR (501) 224-5060

## Environment Testing



880-47713 Chain of Custody

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|                                   |  |                               |  |  |  |
|-----------------------------------|--|-------------------------------|--|--|--|
| Project Manager: Brad Wyne        |  | Bill to: (if different)       |  |  |  |
| Company Name: AECON               |  | Company Name:                 |  |  |  |
| Address: 13355 Noel Rd. Suite 400 |  | Address:                      |  |  |  |
| City, State ZIP: Dallas, TX 75240 |  | City, State ZIP:              |  |  |  |
| Phone: 214-971-1829               |  | Email: Bradley.wyne@AEcon.com |  |  |  |

|                               |  |                                                                           |  |            |  |
|-------------------------------|--|---------------------------------------------------------------------------|--|------------|--|
| Project Name: AMOCO CTB       |  | Turn Around                                                               |  | Pres. Code |  |
| Project Number: 60731207      |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |            |  |
| Project Location: Lovi, NM    |  | Due Date: ASAP                                                            |  |            |  |
| Sampler's Name: James Loveley |  | TAT starts the day received by the lab, if received by 4:30pm             |  |            |  |
| PO #:                         |  |                                                                           |  |            |  |

|                                    |  |                                        |  |            |  |
|------------------------------------|--|----------------------------------------|--|------------|--|
| SAMPLE RECEIPT                     |  | Temp Blank: Yes (No) Wet Ice: Yes (No) |  | Parameters |  |
| Samples Received Intact: Yes (No)  |  | Thermometer ID: TR4                    |  |            |  |
| Cooler Custody Seals: Yes (No) N/A |  | Correction Factor: 1.3                 |  |            |  |
| Sample Custody Seals: Yes (No) N/A |  | Temperature Reading: 1.3               |  |            |  |
| Total Containers: 1.3              |  | Corrected Temperature: 1.3             |  |            |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | ANALYSIS REQUEST | PRESERVATIVE CODES                                                | SAMPLE COMMENTS            |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------------|-------------------------------------------------------------------|----------------------------|
| CSW-16A-5-9-20240826  | 5.1    | 8/26/24      | 0900         | 5-9   | C         | 1         |                  | None: NO                                                          | DI Water: H <sub>2</sub> O |
| CSB-001-4.5-20240826  | 5.1    | 8/26/24      | 0915         | 4.5   | C         | 1         |                  | Cool: Cool                                                        | MeOH: Me                   |
| CSB-002-4.5-20240826  | 5.1    | 8/26/24      | 0930         | 4.5   | C         | 1         |                  | HCL: HC                                                           | HNO <sub>3</sub>           |
| CSB-108-7.0-20240826  | 5.1    | 8/26/24      | 0945         | 7.0   | C         | 1         |                  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| CSW-22-0-3-20240826   | 5.1    | 8/26/24      | 1000         | 0-3   | C         | 1         |                  | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
|                       |        |              |              |       |           |           |                  | NaHSO <sub>4</sub> : NABIS                                        |                            |
|                       |        |              |              |       |           |           |                  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
|                       |        |              |              |       |           |           |                  | Zn Acetate+NaOH: Zn                                               |                            |
|                       |        |              |              |       |           |           |                  | NaOH+Ascorbic Acid: SAPC                                          |                            |

|                                                                                                                                                     |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Total 200.7/6010 200.8/6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn     |  |
| Circle Method(s) and Metal(s) to be analyzed: TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |  |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |                              |                          |              |
|------------------------------|--------------------------|------------------------------|--------------------------|--------------|
| Relinquished by: (Signature) | Received by: (Signature) | Relinquished by: (Signature) | Received by: (Signature) | Date/Time    |
| 1. [Signature]               | [Signature]              | 8/27/24                      | 800                      | 8/26/24 1630 |
| 3. [Signature]               |                          |                              |                          |              |
| 5. [Signature]               |                          |                              |                          |              |

Revised Date: 08/26/2020 Rev. 2020.2





## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5080

## Environment Testing



880-47713 Chain of Custody

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**Work Order Comments**

Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project: NM

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☒ ADAPT ☐ Other:

Project Manager: Brad Wyane

Company Name: AECON

Address: 13355 Noel Rd, Suite 400

City, State ZIP: Dallas, TX 75240

Phone: 214-971-1829

Email: Bradley.Wayne@Aecon.com

Bill to: (if different)

Company Name:

Address:

City, State ZIP:

Email:

**ANALYSIS REQUEST**

Project Name: Amoco CTB

Project Number: 60731207

Project Location: Lowry, NM

Sampler's Name: Jones, Lorely

PO #:

**SAMPLE RECEIPT**

Temp Blank: Yes ☒ No ☐ Wet Ice: Yes ☐ No ☒

Samples Received Intact: Yes ☒ No ☐ Thermometer ID: TRP

Cooler Custody Seals: Yes ☐ No ☒ Correction Factor: 1.3

Sample Custody Seals: Yes ☐ No ☒ Temperature Reading: 1.3

Total Containers: 1.3

Parameters

Pres. Code

Turn Around

☐ Routine ☒ Rush

Due Date: ASAP

TAT starts the day received by the lab, if received by 4:30pm

| Sample Identification    | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Sample Comments |
|--------------------------|--------|--------------|--------------|-------|-----------|-----------|-----------------|
| LSW-16A-5-9-20240826 5.1 |        | 8/26/24      | 0900         | 5-9   | C         | 1         |                 |
| LSB-001-4.5-20240826 5.1 |        | 8/26/24      | 0915         | 4.5   | C         | 1         |                 |
| LSB-002-4.5-20240826 5.1 |        | 8/26/24      | 0930         | 4.5   | C         | 1         |                 |
| LSB-108-7.0-20240826 5.1 |        | 8/26/24      | 0945         | 7.0   | C         | 1         |                 |
| LSW-22-0-3-20240826 5.1  |        | 8/26/24      | 1000         | 0-3   | C         | 1         |                 |

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed: TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time           | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|---------------------|------------------------------|--------------------------|-----------|
| <u>[Signature]</u>           | <u>[Signature]</u>       | <u>8/26/24 1630</u> |                              |                          |           |
|                              |                          |                     |                              |                          |           |
|                              |                          |                     |                              |                          |           |
|                              |                          |                     |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2

## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47713-2

SDG Number: Loving NM

Login Number: 47713

List Number: 1

List Source: Eurofins Midland

Creator: Vasquez, Julisa

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/29/2024 5:25:49 PM

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-47850-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/29/2024 5:25:49 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47850-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47850-1  
SDG: Loving, NM

Qualifiers

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| □              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47850-1

**Job ID: 880-47850-1**

**Eurofins Midland**

### Job Narrative 880-47850-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/29/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C.

#### Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: CSB-028-3.0-20240828 (880-47850-4).

#### Diesel Range Organics

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-89557 and analytical batch 880-89669 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-89628 and analytical batch 880-89651 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: (880-47825-A-1-A), (880-47825-A-1-B MS) and (880-47825-A-1-C MSD).

Method 300\_ORGFM\_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-89628 and analytical batch 880-89651 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: CSW-19-0-3-20240827 (880-47850-1) and CSB-112-4.0-20240827 (880-47850-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47850-1  
SDG: Loving, NM

Client Sample ID: CSW-19-0-3-20240827  
Date Collected: 08/27/24 09:15  
Date Received: 08/29/24 08:00

Lab Sample ID: 880-47850-1  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                 | 7.63   |           | 4.98 | 0.393 | mg/Kg |   |          | 08/29/24 14:18 | 1       |

Client Sample ID: CSB-112-4.0-20240827  
Date Collected: 08/27/24 09:30  
Date Received: 08/29/24 08:00

Lab Sample ID: 880-47850-2  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                 | 6.92   |           | 4.96 | 0.392 | mg/Kg |   |          | 08/29/24 14:26 | 1       |

Client Sample ID: CSW-22-0-3-20240828  
Date Collected: 08/28/24 09:00  
Date Received: 08/29/24 08:00

Lab Sample ID: 880-47850-3  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                 | 15.1   |           | 5.02 | 0.397 | mg/Kg |   |          | 08/29/24 14:34 | 1       |

Client Sample ID: CSB-028-3.0-20240828  
Date Collected: 08/28/24 11:50  
Date Received: 08/29/24 08:00

Lab Sample ID: 880-47850-4  
Matrix: Solid

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Total TPH                                                | <15.0  | U         | 49.7 | 15.0 | mg/Kg |   |          | 08/29/24 11:36 | 1       |

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |      |       |   |                |                |         |
|-----------------------------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.4     | U         | 49.7     | 14.4 | mg/Kg |   | 08/28/24 10:25 | 08/29/24 11:36 | 1       |
| Diesel Range Organics (Over C10-C28)                      | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 08/28/24 10:25 | 08/29/24 11:36 | 1       |
| Oil Range Organics (Over C28-C36)                         | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 08/28/24 10:25 | 08/29/24 11:36 | 1       |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                                            | 122       |           | 70 - 130 |      |       |   | 08/28/24 10:25 | 08/29/24 11:36 | 1       |
| o-Terphenyl                                               | 107       |           | 70 - 130 |      |       |   | 08/28/24 10:25 | 08/29/24 11:36 | 1       |



Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47850-1  
SDG: Loving, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)  
Matrix: Solid

Prep Type: Total/NA

|                      |                        | Percent Surrogate Recovery (Acceptance Limits) |          |  |  |  |  |
|----------------------|------------------------|------------------------------------------------|----------|--|--|--|--|
| Lab Sample ID        | Client Sample ID       | 1CO1                                           | OTPH1    |  |  |  |  |
|                      |                        | (70-130)                                       | (70-130) |  |  |  |  |
| 880-47850-4          | CSB-028-3.0-20240828   | 122                                            | 107      |  |  |  |  |
| 890-7042-A-2-B MS    | Matrix Spike           | 87                                             | 82       |  |  |  |  |
| 890-7042-A-2-C MSD   | Matrix Spike Duplicate | 86                                             | 82       |  |  |  |  |
| LCS 880-89557/2-A    | Lab Control Sample     | 129                                            | 130      |  |  |  |  |
| LCSD 880-89557/3-A   | Lab Control Sample Dup | 125                                            | 124      |  |  |  |  |
| MB 880-89557/1-A     | Method Blank           | 87                                             | 81       |  |  |  |  |
| Surrogate Legend     |                        |                                                |          |  |  |  |  |
| 1CO = 1-Chlorooctane |                        |                                                |          |  |  |  |  |
| OTPH = o-Terphenyl   |                        |                                                |          |  |  |  |  |

## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47850-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-89557/1-A

Matrix: Solid

Analysis Batch: 89669

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89557

| Analyte                              | MB<br>Result    | MB<br>Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------------|-----------------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5           | U               | 50.0     | 14.5 | mg/Kg |   | 08/28/24 10:25 | 08/29/24 03:43 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1           | U               | 50.0     | 15.1 | mg/Kg |   | 08/28/24 10:25 | 08/29/24 03:43 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1           | U               | 50.0     | 15.1 | mg/Kg |   | 08/28/24 10:25 | 08/29/24 03:43 | 1       |
| Surrogate                            | MB<br>%Recovery | MB<br>Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 87              |                 | 70 - 130 |      |       |   | 08/28/24 10:25 | 08/29/24 03:43 | 1       |
| o-Terphenyl                          | 81              |                 | 70 - 130 |      |       |   | 08/28/24 10:25 | 08/29/24 03:43 | 1       |

Lab Sample ID: LCS 880-89557/2-A

Matrix: Solid

Analysis Batch: 89669

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89557

| Analyte                              | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|------------------|------------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000             | 1128             |                  | mg/Kg |   | 113  | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 1000             | 1277             |                  | mg/Kg |   | 128  | 70 - 130       |
| Surrogate                            | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |       |   |      |                |
| 1-Chlorooctane                       | 129              |                  | 70 - 130         |       |   |      |                |
| o-Terphenyl                          | 130              |                  | 70 - 130         |       |   |      |                |

Lab Sample ID: LCSD 880-89557/3-A

Matrix: Solid

Analysis Batch: 89669

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89557

| Analyte                              | Spike<br>Added    | LCSD<br>Result    | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|-------------------|-------------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000              | 1069              |                   | mg/Kg |   | 107  | 70 - 130       | 5   | 20           |
| Diesel Range Organics (Over C10-C28) | 1000              | 1239              |                   | mg/Kg |   | 124  | 70 - 130       | 3   | 20           |
| Surrogate                            | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits            |       |   |      |                |     |              |
| 1-Chlorooctane                       | 125               |                   | 70 - 130          |       |   |      |                |     |              |
| o-Terphenyl                          | 124               |                   | 70 - 130          |       |   |      |                |     |              |

Lab Sample ID: 890-7042-A-2-B MS

Matrix: Solid

Analysis Batch: 89669

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89557

| Analyte                              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5            | U                   | 999            | 755.7        |                 | mg/Kg |   | 76   | 70 - 130       |
| Diesel Range Organics (Over C10-C28) | 45.5             | J F1                | 999            | 734.1        | F1              | mg/Kg |   | 69   | 70 - 130       |

Eurofins Midland



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47850-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-7042-A-2-B MS  
Matrix: Solid  
Analysis Batch: 89669

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 89557

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 87        |           | 70 - 130 |
| o-Terphenyl    | 82        |           | 70 - 130 |

Lab Sample ID: 890-7042-A-2-C MSD  
Matrix: Solid  
Analysis Batch: 89669

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 89557

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 999         | 752.4      |               | mg/Kg |   | 75   | 70 - 130    | 0   | 20        |
| Diesel Range Organics (Over C10-C28) | 45.5          | J F1             | 999         | 715.6      | F1            | mg/Kg |   | 67   | 70 - 130    | 3   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 86            |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 82            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-89628/1-A  
Matrix: Solid  
Analysis Batch: 89651

Client Sample ID: Method Blank  
Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395    | U            | 5.00 | 0.395 | mg/Kg |   |          | 08/29/24 10:52 | 1       |

Lab Sample ID: LCS 880-89628/2-A  
Matrix: Solid  
Analysis Batch: 89651

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 231.5      |               | mg/Kg |   | 93   | 90 - 110    |

Lab Sample ID: LCSD 880-89628/3-A  
Matrix: Solid  
Analysis Batch: 89651

Client Sample ID: Lab Control Sample Dup  
Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 233.3       |                | mg/Kg |   | 93   | 90 - 110    | 1   | 20        |

Lab Sample ID: 880-47825-A-1-B MS  
Matrix: Solid  
Analysis Batch: 89651

Client Sample ID: Matrix Spike  
Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 608           | F1               | 248         | 806.3     | F1           | mg/Kg |   | 80   | 90 - 110    |

Eurofins Midland

QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47850-1  
SDG: Loving, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

|                                    |               |                  |             |            |               |                                          |   |      |             |     |           |  |
|------------------------------------|---------------|------------------|-------------|------------|---------------|------------------------------------------|---|------|-------------|-----|-----------|--|
| Lab Sample ID: 880-47825-A-1-C MSD |               |                  |             |            |               | Client Sample ID: Matrix Spike Duplicate |   |      |             |     |           |  |
| Matrix: Solid                      |               |                  |             |            |               | Prep Type: Soluble                       |   |      |             |     |           |  |
| Analysis Batch: 89651              |               |                  |             |            |               |                                          |   |      |             |     |           |  |
| Analyte                            | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit                                     | D | %Rec | %Rec Limits | RPD | RPD Limit |  |
| Chloride                           | 608           | F1               | 248         | 797.9      | F1            | mg/Kg                                    |   | 77   | 90 - 110    | 1   | 20        |  |



## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47850-1  
SDG: Loving, NM

## GC Semi VOA

## Prep Batch: 89557

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-47850-4        | CSB-028-3.0-20240828   | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-89557/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-89557/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-89557/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-7042-A-2-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-7042-A-2-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 89669

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47850-4        | CSB-028-3.0-20240828   | Total/NA  | Solid  | 8015B NM | 89557      |
| MB 880-89557/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 89557      |
| LCS 880-89557/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 89557      |
| LCSD 880-89557/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 89557      |
| 890-7042-A-2-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 89557      |
| 890-7042-A-2-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 89557      |

## Analysis Batch: 89687

| Lab Sample ID | Client Sample ID     | Prep Type | Matrix | Method  | Prep Batch |
|---------------|----------------------|-----------|--------|---------|------------|
| 880-47850-4   | CSB-028-3.0-20240828 | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 89628

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-47850-1         | CSW-19-0-3-20240827    | Soluble   | Solid  | DI Leach |            |
| 880-47850-2         | CSB-112-4.0-20240827   | Soluble   | Solid  | DI Leach |            |
| 880-47850-3         | CSW-22-0-3-20240828    | Soluble   | Solid  | DI Leach |            |
| MB 880-89628/1-A    | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-89628/2-A   | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-89628/3-A  | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-47825-A-1-B MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-47825-A-1-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 89651

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-47850-1         | CSW-19-0-3-20240827    | Soluble   | Solid  | 300.0  | 89628      |
| 880-47850-2         | CSB-112-4.0-20240827   | Soluble   | Solid  | 300.0  | 89628      |
| 880-47850-3         | CSW-22-0-3-20240828    | Soluble   | Solid  | 300.0  | 89628      |
| MB 880-89628/1-A    | Method Blank           | Soluble   | Solid  | 300.0  | 89628      |
| LCS 880-89628/2-A   | Lab Control Sample     | Soluble   | Solid  | 300.0  | 89628      |
| LCSD 880-89628/3-A  | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 89628      |
| 880-47825-A-1-B MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 89628      |
| 880-47825-A-1-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 89628      |

Eurofins Midland

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47850-1  
SDG: Loving, NM

Client Sample ID: CSW-19-0-3-20240827  
Date Collected: 08/27/24 09:15  
Date Received: 08/29/24 08:00

Lab Sample ID: 880-47850-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 89628        | 08/29/24 08:15       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89651        | 08/29/24 14:18       | SMC     | EET MID |

Client Sample ID: CSB-112-4.0-20240827  
Date Collected: 08/27/24 09:30  
Date Received: 08/29/24 08:00

Lab Sample ID: 880-47850-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 89628        | 08/29/24 08:15       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89651        | 08/29/24 14:26       | SMC     | EET MID |

Client Sample ID: CSW-22-0-3-20240828  
Date Collected: 08/28/24 09:00  
Date Received: 08/29/24 08:00

Lab Sample ID: 880-47850-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 89628        | 08/29/24 08:15       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89651        | 08/29/24 14:34       | SMC     | EET MID |

Client Sample ID: CSB-028-3.0-20240828  
Date Collected: 08/28/24 11:50  
Date Received: 08/29/24 08:00

Lab Sample ID: 880-47850-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89687        | 08/29/24 11:36       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 89557        | 08/28/24 10:25       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89669        | 08/29/24 11:36       | TKC     | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47850-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |

Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47850-1  
SDG: Loving, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47850-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       |
|---------------|----------------------|--------|----------------|----------------|
| 880-47850-1   | CSW-19-0-3-20240827  | Solid  | 08/27/24 09:15 | 08/29/24 08:00 |
| 880-47850-2   | CSB-112-4.0-20240827 | Solid  | 08/27/24 09:30 | 08/29/24 08:00 |
| 880-47850-3   | CSW-22-0-3-20240828  | Solid  | 08/28/24 09:00 | 08/29/24 08:00 |
| 880-47850-4   | CSB-028-3.0-20240828 | Solid  | 08/28/24 11:50 | 08/29/24 08:00 |

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## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 898-3199  
Little Rock, AR (501) 224-5060

## Chain of Custody

## Work Ord

880-47850 Chain of Custody



|                  |                          |  |                         |                        |
|------------------|--------------------------|--|-------------------------|------------------------|
| Project Manager: | Brad Wyne                |  | Bill to: (if different) |                        |
| Company Name:    | AECOM                    |  | Company Name:           |                        |
| Address:         | 13355 Noel Rd. Suite 400 |  | Address:                |                        |
| City, State ZIP: | Dallas TX 75240          |  | City, State ZIP:        |                        |
| Phone:           | 214-971-1829             |  | Email:                  | Bradley.wyne@AECOM.com |

| Work Order Comments                                                                                                                                                              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project: NM                                                                                                                                                             |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____                                                                                |  |

|                          |  |                                                                     |  |                                                                              |  |                                                                     |  |                        |  |     |  |  |  |  |  |  |  |                    |  |  |  |                                                                   |  |  |  |          |  |  |  |
|--------------------------|--|---------------------------------------------------------------------|--|------------------------------------------------------------------------------|--|---------------------------------------------------------------------|--|------------------------|--|-----|--|--|--|--|--|--|--|--------------------|--|--|--|-------------------------------------------------------------------|--|--|--|----------|--|--|--|
| Project Name:            |  | Amber CTB                                                           |  | Turn Around                                                                  |  | Pres. Code                                                          |  | ANALYSIS REQUEST       |  |     |  |  |  |  |  |  |  | Preservative Codes |  |  |  |                                                                   |  |  |  |          |  |  |  |
| Project Number:          |  | 60734207                                                            |  | <input type="checkbox"/> Routine<br><input checked="" type="checkbox"/> Rush |  |                                                                     |  |                        |  |     |  |  |  |  |  |  |  | None: NO           |  |  |  | DI Water: H <sub>2</sub> O                                        |  |  |  |          |  |  |  |
| Project Location:        |  | Living, NM                                                          |  | Due Date:                                                                    |  | ASAP                                                                |  |                        |  |     |  |  |  |  |  |  |  | Cool: Cool         |  |  |  | MeOH: Me                                                          |  |  |  |          |  |  |  |
| Sampler's Name:          |  | James Lowry                                                         |  | TAT starts the day received by the lab, if received by 4:30pm                |  |                                                                     |  |                        |  |     |  |  |  |  |  |  |  | HCL: HC            |  |  |  | HNO <sub>3</sub>                                                  |  |  |  |          |  |  |  |
| PO #:                    |  |                                                                     |  | Temp Blank:                                                                  |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Thermometer ID:        |  | IR5 |  |  |  |  |  |  |  |                    |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |  |  |  | NaOH: Na |  |  |  |
| SAMPLE RECEIPT           |  |                                                                     |  | Temp Blank:                                                                  |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Thermometer ID:        |  | IR5 |  |  |  |  |  |  |  |                    |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |  |  |  |          |  |  |  |
| Samples Received Intact: |  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Cooler Custody Seals:                                                        |  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |  | Correction Factor:     |  | -1  |  |  |  |  |  |  |  |                    |  |  |  | NaHSO <sub>4</sub> : NABIS                                        |  |  |  |          |  |  |  |
| Sample Custody Seals:    |  | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |  | Temperature Reading:                                                         |  | 0.7                                                                 |  | Corrected Temperature: |  | 0.6 |  |  |  |  |  |  |  |                    |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |  |  |          |  |  |  |
| Total Containers:        |  |                                                                     |  |                                                                              |  |                                                                     |  |                        |  |     |  |  |  |  |  |  |  |                    |  |  |  | Zn Acetate+NaOH: Zn                                               |  |  |  |          |  |  |  |
|                          |  |                                                                     |  |                                                                              |  |                                                                     |  |                        |  |     |  |  |  |  |  |  |  |                    |  |  |  | NaOH+Ascorbic Acid: SAFC                                          |  |  |  |          |  |  |  |

[illegible][illegible]

Noted: Signature of this document by the client constitutes a valid purchase order from client company to Eurofins Xanaco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xanaco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xanaco. A minimum charge of \$35.00 will be applied to each project and a charge of \$3 for each sample submitted to Eurofins Xanaco, but not analyzed. These terms will be enforced unless previously negotiated with Eurofins Xanaco.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| 1 <i>[Signature]</i> - AECOM | <i>[Signature]</i>       | 8/28/21 1630 | 2                            |                          |           |
| 3                            |                          |              | 4                            |                          |           |
| 5                            |                          |              | 6                            |                          |           |





Environment Testing

Chain of Custody

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440 San Antonio, TX (210) 508-3334  
El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550 Carlsbad, NM (575) 989-3199  
Little Rock, AR (501) 224-5060

Work Ord

880-47850 Chain of Custody

Page 1 of 1

|                  |                          |                         |                        |
|------------------|--------------------------|-------------------------|------------------------|
| Project Manager: | Brad Wyne                | Bill to: (if different) |                        |
| Company Name:    | AECOM                    | Company Name:           |                        |
| Address:         | 13355 Noel Rd. Suite 400 | Address:                |                        |
| City, State ZIP: | Dallas TX 75240          | City, State ZIP:        |                        |
| Phone:           | 214-971-1829             | Email:                  | Bradley.Wyne@AECOM.COM |

|                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                              |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfield <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>       |  |
| State of Project: NM                                                                                                                                                             |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input checked="" type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                      |  |

|                          |                                                                     |                                                                           |                                                                     |                    |                                                                     |              |       |           |           |                  |  |  |  |  |  |  |  |  |  |                                                 |                            |                                                                   |  |  |  |                 |  |  |
|--------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------|---------------------------------------------------------------------|--------------|-------|-----------|-----------|------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------|----------------------------|-------------------------------------------------------------------|--|--|--|-----------------|--|--|
| Project Name:            | Ameco CTB                                                           | Tum Around                                                                | Pres. Code                                                          | ANALYSIS REQUEST   |                                                                     |              |       |           |           |                  |  |  |  |  |  |  |  |  |  | Preservative Codes                              |                            |                                                                   |  |  |  |                 |  |  |
| Project Number:          | 60734207                                                            | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |                                                                     |                    |                                                                     |              |       |           |           |                  |  |  |  |  |  |  |  |  |  | None: NO                                        | DI Water: H <sub>2</sub> O |                                                                   |  |  |  |                 |  |  |
| Project Location:        | Leving, NM                                                          | Due Date:                                                                 | ASAP                                                                |                    |                                                                     |              |       |           |           |                  |  |  |  |  |  |  |  |  |  | Code: Cool                                      | MeOH: Me                   |                                                                   |  |  |  |                 |  |  |
| Sampler's Name:          | Jones Larry                                                         | TAT starts the day received by the lab, if received by 4:30pm             |                                                                     |                    |                                                                     |              |       |           |           |                  |  |  |  |  |  |  |  |  |  | HCL: HC                                         | HNO <sub>3</sub>           |                                                                   |  |  |  |                 |  |  |
| PO #:                    |                                                                     |                                                                           |                                                                     |                    |                                                                     |              |       |           |           |                  |  |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na                   |                                                                   |  |  |  |                 |  |  |
| SAMPLE RECEIPT           |                                                                     |                                                                           |                                                                     |                    |                                                                     |              |       |           |           |                  |  |  |  |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> : HP             |                            |                                                                   |  |  |  |                 |  |  |
| Samples Received Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Temp Blank:                                                               | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Wet Ice:           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |              |       |           |           |                  |  |  |  |  |  |  |  |  |  |                                                 |                            | NaHSO <sub>4</sub> : NABIS                                        |  |  |  |                 |  |  |
| Cooler Custody Seals:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Thermometer ID:                                                           |                                                                     | Correction Factor: | -1                                                                  |              |       |           |           |                  |  |  |  |  |  |  |  |  |  |                                                 |                            | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |  |  |                 |  |  |
| Sample Custody Seals:    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Temperature Reading:                                                      |                                                                     |                    | 0.7                                                                 |              |       |           |           |                  |  |  |  |  |  |  |  |  |  |                                                 |                            | Zn Acetate+NaOH: Zn                                               |  |  |  |                 |  |  |
| Total Containers:        |                                                                     | Corrected Temperature:                                                    |                                                                     |                    | 0.6                                                                 |              |       |           |           |                  |  |  |  |  |  |  |  |  |  |                                                 |                            | NaOH+Ascorbic Acid: SAPC                                          |  |  |  |                 |  |  |
| Sample Identification    |                                                                     |                                                                           |                                                                     | Matrix             | Date Sampled                                                        | Time Sampled | Depth | Grab/Comp | # of Cont | Chlorides<br>TPH |  |  |  |  |  |  |  |  |  |                                                 |                            |                                                                   |  |  |  | Sample Comments |  |  |
| CSW-19-0-3-20240827      |                                                                     |                                                                           |                                                                     | Soil               | 8/27/24                                                             | 0915         | 0-3   | C         | 1         | X                |  |  |  |  |  |  |  |  |  |                                                 |                            |                                                                   |  |  |  |                 |  |  |
| CSB-112-4.0-20240827     |                                                                     |                                                                           |                                                                     | Soil               | 8/27/24                                                             | 0930         | 4.0   | C         | 1         | X                |  |  |  |  |  |  |  |  |  |                                                 |                            |                                                                   |  |  |  |                 |  |  |
| CSW-22-0-3-20240828      |                                                                     |                                                                           |                                                                     | Soil               | 8/28/24                                                             | 0900         | 0-3   | C         | 1         | X                |  |  |  |  |  |  |  |  |  |                                                 |                            |                                                                   |  |  |  |                 |  |  |
| CSB-028-3.0-20240828     |                                                                     |                                                                           |                                                                     | Soil               | 8/28/24                                                             | 1150         | 3.0   | C         | 1         | X                |  |  |  |  |  |  |  |  |  |                                                 |                            |                                                                   |  |  |  |                 |  |  |

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Pb Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of services. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |              |                              |                          |           |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| 1. [Signature]               | [Signature]              | 8/28/24 1630 | 2. [Signature]               | [Signature]              |           |
| 3. [Signature]               | [Signature]              |              | 4. [Signature]               | [Signature]              |           |
| 5. [Signature]               | [Signature]              |              | 6. [Signature]               | [Signature]              |           |



## urofins

## Environment Testing

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3189  
Little Rock, AR (501) 224-5060



## Work Ord

880-47850 Chain of Custody

Page 1 of

|                  |                          |                         |                         |
|------------------|--------------------------|-------------------------|-------------------------|
| Project Manager: | Brad Wynne               | Bill to: (if different) |                         |
| Company Name:    | AECOM                    | Company Name:           |                         |
| Address:         | 13355 Noel Rd. Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas TX 75240          | City, State ZIP:        |                         |
| Phone:           | 214-971-1829             | Email:                  | Bradley.wynne@AECOM.com |

[illegible][illegible]

Notice: Signature of this document constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$83.00 will be applied to each project and a charge of \$2 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| <i>[Signature]</i>           | <i>[Signature]</i>       | 8/28/21 1630 |                              |                          |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |

Approved Date: 08/25/2020 Rev. 2020 2



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47850-1

SDG Number: Loving, NM

Login Number: 47850

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 4/28/2025 7:06:14 PM Revision 1

## JOB DESCRIPTION

AMOCO CTB

## JOB NUMBER

890-8022-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220



# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

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4/28/2025 7:06:14 PM  
Revision 1

Client: AECOM  
Project/Site: AMOCO CTB

Laboratory Job ID: 890-8022-1

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Definitions/Glossary

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased.                                                     |
| B         | Compound was found in the blank and sample.                                                                    |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1+       | Surrogate recovery exceeds control limits, high biased.                                                        |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| F2        | MS/MSD RPD exceeds control limits                        |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: AECOM  
Project: AMOCO CTB

Job ID: 890-8022-1

Job ID: 890-8022-1

Eurofins Carlsbad

**Job Narrative**  
**890-8022-1**

REVISION

The report being provided is a revision of the original report sent on 4/23/2025. The report (revision 1) is being revised due to Per client email, requesting sample ID correction.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The samples were received on 4/22/2025 4:04 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: EL-1 (5FT) (890-8022-1), EL-2 (5FT) (890-8022-2), EL-3 (5FT) (890-8022-3) and EL-4 (3-4FT) (890-8022-4).

**GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Diesel Range Organics**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-108380/2-A) and (LCSD 880-108380/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The method blank for preparation batch 880-108380 and analytical batch 880-108425 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD\_NM: The laboratory control sample (LCS) associated with preparation batch 880-108380 and analytical batch 880-108425 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-108425 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour limit, therefore the data has been qualified and reported. The associated sample is:(CCV 880-108425/6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-108371 and analytical batch 880-108379 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Carlsbad



Case Narrative

Client: AECOM  
Project: AMOCO CTB

Job ID: 890-8022-1

Job ID: 890-8022-1 (Continued)

Eurofins Carlsbad

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Eurofins Carlsbad

## Client Sample Results

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

Client Sample ID: EL-1 (5FT)

Lab Sample ID: 890-8022-1

Date Collected: 04/22/25 15:30

Matrix: Solid

Date Received: 04/22/25 16:04

Sample Depth: 5FT

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | 0.00139 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 11:24 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 11:24 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | 0.00109 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 11:24 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 | 0.00228 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 11:24 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | 0.00158 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 11:24 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 | 0.00228 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 11:24 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 115       |           | 70 - 130 | 04/23/25 08:37 | 04/23/25 11:24 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 | 04/23/25 08:37 | 04/23/25 11:24 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | 0.00228 | mg/Kg | - |          | 04/23/25 11:24 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 19.0   | J         | 49.8 | 15.1 | mg/Kg | - |          | 04/23/25 12:14 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U **      | 49.8 | 14.5 | mg/Kg | - | 04/23/25 08:31 | 04/23/25 12:14 | 1       |
| Diesel Range Organics (Over C10-C28) | 19.0   | J B **    | 49.8 | 15.1 | mg/Kg | - | 04/23/25 08:31 | 04/23/25 12:14 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 | 15.1 | mg/Kg | - | 04/23/25 08:31 | 04/23/25 12:14 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 97        |           | 70 - 130 | 04/23/25 08:31 | 04/23/25 12:14 | 1       |
| o-Terphenyl    | 99        |           | 70 - 130 | 04/23/25 08:31 | 04/23/25 12:14 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 298    |           | 9.94 | 0.393 | mg/Kg | - |          | 04/23/25 09:51 | 1       |

Client Sample ID: EL-2 (5FT)

Lab Sample ID: 890-8022-2

Date Collected: 04/22/25 14:50

Matrix: Solid

Date Received: 04/22/25 16:04

Sample Depth: 5FT

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | 0.00139 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 11:45 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 11:45 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | 0.00109 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 11:45 | 1       |
| m-Xylene & p-Xylene | <0.00401 | U         | 0.00401 | 0.00229 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 11:45 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | 0.00159 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 11:45 | 1       |
| Xylenes, Total      | <0.00401 | U         | 0.00401 | 0.00229 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 11:45 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130 | 04/23/25 08:37 | 04/23/25 11:45 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

Client Sample ID: EL-2 (5FT)

Lab Sample ID: 890-8022-2

Date Collected: 04/22/25 14:50

Matrix: Solid

Date Received: 04/22/25 16:04

Sample Depth: 5FT

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 99        |           | 70 - 130 | 04/23/25 08:37 | 04/23/25 11:45 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | 0.00229 | mg/Kg |   |          | 04/23/25 11:45 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 19.1   | J         | 49.9 | 15.1 | mg/Kg |   |          | 04/23/25 12:29 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U *+      | 49.9     | 14.5 | mg/Kg | - | 04/23/25 08:31 | 04/23/25 12:29 | 1       |
| Diesel Range Organics (Over C10-C28) | 19.1      | J B **    | 49.9     | 15.1 | mg/Kg |   | 04/23/25 08:31 | 04/23/25 12:29 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | 15.1 | mg/Kg |   | 04/23/25 08:31 | 04/23/25 12:29 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 100       |           | 70 - 130 |      |       |   | 04/23/25 08:31 | 04/23/25 12:29 | 1       |
| o-Terphenyl                          | 98        |           | 70 - 130 |      |       |   | 04/23/25 08:31 | 04/23/25 12:29 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 269    |           | 9.96 | 0.393 | mg/Kg |   |          | 04/23/25 10:13 | 1       |

Client Sample ID: EL-3 (5FT)

Lab Sample ID: 890-8022-3

Date Collected: 04/22/25 14:25

Matrix: Solid

Date Received: 04/22/25 16:04

Sample Depth: 5FT

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 | 0.00139 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 12:05 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 12:05 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | 0.00108 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 12:05 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | 0.00228 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 12:05 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 | 0.00158 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 12:05 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 | 0.00228 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 12:05 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 04/23/25 08:37 | 04/23/25 12:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 | 04/23/25 08:37 | 04/23/25 12:05 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | 0.00228 | mg/Kg |   |          | 04/23/25 12:05 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 19.1   | J         | 50.0 | 15.1 | mg/Kg |   |          | 04/23/25 12:44 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

## Client Sample ID: EL-3 (5FT)

Date Collected: 04/22/25 14:25

Date Received: 04/22/25 16:04

Sample Depth: 5FT

## Lab Sample ID: 890-8022-3

Matrix: Solid

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                                     | Result      | Qualifier     | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------------|-------------|---------------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10        | <50.0       | U *+          | 50.0     | 14.5 | mg/Kg | - | 04/23/25 08:31 | 04/23/25 12:44 | 1       |
| <b>Diesel Range Organics (Over C10-C28)</b> | <b>19.1</b> | <b>J B *+</b> | 50.0     | 15.1 | mg/Kg | - | 04/23/25 08:31 | 04/23/25 12:44 | 1       |
| Oil Range Organics (Over C28-C36)           | <50.0       | U             | 50.0     | 15.1 | mg/Kg | - | 04/23/25 08:31 | 04/23/25 12:44 | 1       |
| Surrogate                                   | %Recovery   | Qualifier     | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                              | 95          |               | 70 - 130 |      |       |   | 04/23/25 08:31 | 04/23/25 12:44 | 1       |
| o-Terphenyl                                 | 94          |               | 70 - 130 |      |       |   | 04/23/25 08:31 | 04/23/25 12:44 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte         | Result     | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------------|------------|-----------|------|-------|-------|---|----------|----------------|---------|
| <b>Chloride</b> | <b>256</b> |           | 9.94 | 0.393 | mg/Kg | - |          | 04/23/25 10:21 | 1       |

## Client Sample ID: EL-4 (3-4FT)

Date Collected: 04/22/25 14:00

Date Received: 04/22/25 16:04

Sample Depth: 5FT

## Lab Sample ID: 890-8022-4

Matrix: Solid

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00199  | U         | 0.00199  | 0.00138 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 12:26 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 12:26 | 1       |
| Ethylbenzene                | <0.00199  | U         | 0.00199  | 0.00108 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 12:26 | 1       |
| m-Xylene & p-Xylene         | <0.00398  | U         | 0.00398  | 0.00227 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 12:26 | 1       |
| o-Xylene                    | <0.00199  | U         | 0.00199  | 0.00157 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 12:26 | 1       |
| Xylenes, Total              | <0.00398  | U         | 0.00398  | 0.00227 | mg/Kg | - | 04/23/25 08:37 | 04/23/25 12:26 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 |         |       |   | 04/23/25 08:37 | 04/23/25 12:26 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 |         |       |   | 04/23/25 08:37 | 04/23/25 12:26 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | 0.00227 | mg/Kg | - |          | 04/23/25 12:26 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte          | Result      | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------------|-------------|-----------|------|------|-------|---|----------|----------------|---------|
| <b>Total TPH</b> | <b>18.0</b> | <b>J</b>  | 49.8 | 15.1 | mg/Kg | - |          | 04/23/25 12:58 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                                     | Result      | Qualifier     | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------------|-------------|---------------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10        | <49.8       | U *+          | 49.8     | 14.5 | mg/Kg | - | 04/23/25 08:31 | 04/23/25 12:58 | 1       |
| <b>Diesel Range Organics (Over C10-C28)</b> | <b>18.0</b> | <b>J B *+</b> | 49.8     | 15.1 | mg/Kg | - | 04/23/25 08:31 | 04/23/25 12:58 | 1       |
| Oil Range Organics (Over C28-C36)           | <49.8       | U             | 49.8     | 15.1 | mg/Kg | - | 04/23/25 08:31 | 04/23/25 12:58 | 1       |
| Surrogate                                   | %Recovery   | Qualifier     | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                              | 100         |               | 70 - 130 |      |       |   | 04/23/25 08:31 | 04/23/25 12:58 | 1       |
| o-Terphenyl                                 | 100         |               | 70 - 130 |      |       |   | 04/23/25 08:31 | 04/23/25 12:58 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

**Client Sample ID: EL-4 (3-4FT)**  
**Date Collected: 04/22/25 14:00**  
**Date Received: 04/22/25 16:04**  
**Sample Depth: 5FT**

**Lab Sample ID: 890-8022-4**  
**Matrix: Solid**

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                 | 269    |           | 10.0 | 0.395 | mg/Kg |   |          | 04/23/25 10:28 | 1       |

- 1
- 2
- 3
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- 14

## Surrogate Summary

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 890-8022-1                        | EL-1 (5FT)             | 115                                            | 98                |
| 890-8022-1 MS                     | EL-1 (5FT)             | 98                                             | 101               |
| 890-8022-1 MSD                    | EL-1 (5FT)             | 106                                            | 101               |
| 890-8022-2                        | EL-2 (5FT)             | 101                                            | 99                |
| 890-8022-3                        | EL-3 (5FT)             | 104                                            | 96                |
| 890-8022-4                        | EL-4 (3-4FT)           | 105                                            | 101               |
| LCS 880-108382/1-A                | Lab Control Sample     | 98                                             | 100               |
| LCSD 880-108382/2-A               | Lab Control Sample Dup | 98                                             | 101               |
| MB 880-108382/5-A                 | Method Blank           | 101                                            | 93                |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 890-8022-1              | EL-1 (5FT)             | 97                                             | 99                |
| 890-8022-2              | EL-2 (5FT)             | 100                                            | 98                |
| 890-8022-3              | EL-3 (5FT)             | 95                                             | 94                |
| 890-8022-4              | EL-4 (3-4FT)           | 100                                            | 100               |
| 890-8024-A-1-C MS       | Matrix Spike           | 107                                            | 94                |
| 890-8024-A-1-D MSD      | Matrix Spike Duplicate | 106                                            | 95                |
| LCS 880-108380/2-A      | Lab Control Sample     | 140 S1+                                        | 132 S1+           |
| LCSD 880-108380/3-A     | Lab Control Sample Dup | 137 S1+                                        | 129               |
| MB 880-108380/1-A       | Method Blank           | 124                                            | 121               |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-108382/5-A

Matrix: Solid

Analysis Batch: 108372

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108382

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | 0.00139 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 11:03 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | 0.00200 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 11:03 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | 0.00109 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 11:03 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | 0.00229 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 11:03 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | 0.00158 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 11:03 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | 0.00229 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 11:03 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101             |                 | 70 - 130 | 04/23/25 08:37 | 04/23/25 11:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93              |                 | 70 - 130 | 04/23/25 08:37 | 04/23/25 11:03 | 1       |

Lab Sample ID: LCS 880-108382/1-A

Matrix: Solid

Analysis Batch: 108372

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108382

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1000        |                  | mg/Kg |   | 100  | 70 - 130       |
| Toluene             | 0.100          | 0.09013       |                  | mg/Kg |   | 90   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.09584       |                  | mg/Kg |   | 96   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1921        |                  | mg/Kg |   | 96   | 70 - 130       |
| o-Xylene            | 0.100          | 0.09868       |                  | mg/Kg |   | 99   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 98               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 100              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-108382/2-A

Matrix: Solid

Analysis Batch: 108372

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108382

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1015         |                   | mg/Kg |   | 101  | 70 - 130       | 1   | 35           |
| Toluene             | 0.100          | 0.09139        |                   | mg/Kg |   | 91   | 70 - 130       | 1   | 35           |
| Ethylbenzene        | 0.100          | 0.09510        |                   | mg/Kg |   | 95   | 70 - 130       | 1   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.1931         |                   | mg/Kg |   | 97   | 70 - 130       | 1   | 35           |
| o-Xylene            | 0.100          | 0.09813        |                   | mg/Kg |   | 98   | 70 - 130       | 1   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 98                |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101               |                   | 70 - 130 |

Lab Sample ID: 890-8022-1 MS

Matrix: Solid

Analysis Batch: 108372

Client Sample ID: EL-1 (5FT)

Prep Type: Total/NA

Prep Batch: 108382

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00200         | U                   | 0.100          | 0.09027      |                 | mg/Kg |   | 90   | 70 - 130       |
| Toluene | <0.00200         | U                   | 0.100          | 0.08317      |                 | mg/Kg |   | 83   | 70 - 130       |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-8022-1 MS

Matrix: Solid

Analysis Batch: 108372

Client Sample ID: EL-1 (5FT)

Prep Type: Total/NA

Prep Batch: 108382

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.08445   |              | mg/Kg |   | 84   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00399      | U                | 0.200       | 0.1718    |              | mg/Kg |   | 86   | 70 - 130    |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.08795   |              | mg/Kg |   | 88   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 98           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101          |              | 70 - 130 |

Lab Sample ID: 890-8022-1 MSD

Matrix: Solid

Analysis Batch: 108372

Client Sample ID: EL-1 (5FT)

Prep Type: Total/NA

Prep Batch: 108382

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-------|
| Benzene             | <0.00200      | U                | 0.100       | 0.09341    |               | mg/Kg |   | 93   | 70 - 130    | 3   | 35    |
| Toluene             | <0.00200      | U                | 0.100       | 0.08607    |               | mg/Kg |   | 86   | 70 - 130    | 3   | 35    |
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.08865    |               | mg/Kg |   | 89   | 70 - 130    | 5   | 35    |
| m-Xylene & p-Xylene | <0.00399      | U                | 0.200       | 0.1844     |               | mg/Kg |   | 92   | 70 - 130    | 7   | 35    |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.09350    |               | mg/Kg |   | 93   | 70 - 130    | 6   | 35    |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 106           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101           |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-108380/1-A

Matrix: Solid

Analysis Batch: 108425

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108380

| Analyte                              | MB Result | MB Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 17.31     | J            | 50.0 | 14.5 | mg/Kg |   | 04/23/25 08:31 | 04/23/25 08:51 | 1       |
| Diesel Range Organics (Over C10-C28) | 23.61     | J            | 50.0 | 15.1 | mg/Kg |   | 04/23/25 08:31 | 04/23/25 08:51 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 | 15.1 | mg/Kg |   | 04/23/25 08:31 | 04/23/25 08:51 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 124          |              | 70 - 130 | 04/23/25 08:31 | 04/23/25 08:51 | 1       |
| o-Terphenyl    | 121          |              | 70 - 130 | 04/23/25 08:31 | 04/23/25 08:51 | 1       |

Lab Sample ID: LCS 880-108380/2-A

Matrix: Solid

Analysis Batch: 108425

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108380

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1351       | *+            | mg/Kg |   | 135  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1319       | *+            | mg/Kg |   | 132  | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-108380/2-A

Matrix: Solid

Analysis Batch: 108425

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108380

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 140       | S1+       | 70 - 130 |
| o-Terphenyl    | 132       | S1+       | 70 - 130 |

Lab Sample ID: LCSD 880-108380/3-A

Matrix: Solid

Analysis Batch: 108425

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108380

| Analyte                              |           |           | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-----------|-----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 |           |           | 1000        | 1319        | *+             | mg/Kg |   | 132  | 70 - 130    | 2   | 20        |
| Diesel Range Organics (Over C10-C28) |           |           | 1000        | 1314        | *+             | mg/Kg |   | 131  | 70 - 130    | 0   | 20        |
| Surrogate                            |           | LCSD      | LCSD        |             |                |       |   |      |             |     |           |
|                                      | %Recovery | Qualifier | Limits      |             |                |       |   |      |             |     |           |
| 1-Chlorooctane                       | 137       | S1+       | 70 - 130    |             |                |       |   |      |             |     |           |
| o-Terphenyl                          | 129       |           | 70 - 130    |             |                |       |   |      |             |     |           |

Lab Sample ID: 890-8024-A-1-C MS

Matrix: Solid

Analysis Batch: 108425

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 108380

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
| Gasoline Range Organics (GRO)-C6-C10 | 17.9          | J B *+           | 999         | 993.9     |              | mg/Kg |   | 98   | 70 - 130    |  |  |
| Diesel Range Organics (Over C10-C28) | 42.9          | J B *+           | 999         | 1062      |              | mg/Kg |   | 102  | 70 - 130    |  |  |
| Surrogate                            |               | MS               | MS          |           |              |       |   |      |             |  |  |
|                                      | %Recovery     | Qualifier        | Limits      |           |              |       |   |      |             |  |  |
| 1-Chlorooctane                       | 107           |                  | 70 - 130    |           |              |       |   |      |             |  |  |
| o-Terphenyl                          | 94            |                  | 70 - 130    |           |              |       |   |      |             |  |  |

Lab Sample ID: 890-8024-A-1-D MSD

Matrix: Solid

Analysis Batch: 108425

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 108380

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 17.9          | J B *+           | 999         | 997.3      |               | mg/Kg |   | 98   | 70 - 130    | 0   | 20        |
| Diesel Range Organics (Over C10-C28) | 42.9          | J B *+           | 999         | 1047       |               | mg/Kg |   | 101  | 70 - 130    | 1   | 20        |
| Surrogate                            |               | MSD              | MSD         |            |               |       |   |      |             |     |           |
|                                      | %Recovery     | Qualifier        | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 106           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 95            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-108371/1-A

Matrix: Solid

Analysis Batch: 108379

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <10.0        | U               | 10.0 | 0.395 | mg/Kg |   |          | 04/23/25 08:43 | 1       |

Lab Sample ID: LCS 880-108371/2-A

Matrix: Solid

Analysis Batch: 108379

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 269.6         |                  | mg/Kg |   | 108  | 90 - 110       |

Lab Sample ID: LCSD 880-108371/3-A

Matrix: Solid

Analysis Batch: 108379

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 268.6          |                   | mg/Kg |   | 107  | 90 - 110       | 0   | 20           |

Lab Sample ID: 890-8021-A-68-B MS

Matrix: Solid

Analysis Batch: 108379

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 86.7             | F2 F1               | 252            | 292.7        | F1              | mg/Kg |   | 82   | 90 - 110       |

Lab Sample ID: 890-8021-A-68-C MSD

Matrix: Solid

Analysis Batch: 108379

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 86.7             | F2 F1               | 252            | 404.0         | F1 F2            | mg/Kg |   | 126  | 90 - 110       | 32  | 20           |

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## QC Association Summary

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

## GC VOA

## Analysis Batch: 108372

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8022-1          | EL-1 (5FT)             | Total/NA  | Solid  | 8021B  | 108382     |
| 890-8022-2          | EL-2 (5FT)             | Total/NA  | Solid  | 8021B  | 108382     |
| 890-8022-3          | EL-3 (5FT)             | Total/NA  | Solid  | 8021B  | 108382     |
| 890-8022-4          | EL-4 (3-4FT)           | Total/NA  | Solid  | 8021B  | 108382     |
| MB 880-108382/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 108382     |
| LCS 880-108382/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 108382     |
| LCSD 880-108382/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 108382     |
| 890-8022-1 MS       | EL-1 (5FT)             | Total/NA  | Solid  | 8021B  | 108382     |
| 890-8022-1 MSD      | EL-1 (5FT)             | Total/NA  | Solid  | 8021B  | 108382     |

## Prep Batch: 108382

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8022-1          | EL-1 (5FT)             | Total/NA  | Solid  | 5035   |            |
| 890-8022-2          | EL-2 (5FT)             | Total/NA  | Solid  | 5035   |            |
| 890-8022-3          | EL-3 (5FT)             | Total/NA  | Solid  | 5035   |            |
| 890-8022-4          | EL-4 (3-4FT)           | Total/NA  | Solid  | 5035   |            |
| MB 880-108382/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-108382/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-108382/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-8022-1 MS       | EL-1 (5FT)             | Total/NA  | Solid  | 5035   |            |
| 890-8022-1 MSD      | EL-1 (5FT)             | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 108466

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-8022-1    | EL-1 (5FT)       | Total/NA  | Solid  | Total BTEX |            |
| 890-8022-2    | EL-2 (5FT)       | Total/NA  | Solid  | Total BTEX |            |
| 890-8022-3    | EL-3 (5FT)       | Total/NA  | Solid  | Total BTEX |            |
| 890-8022-4    | EL-4 (3-4FT)     | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 108380

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-8022-1          | EL-1 (5FT)             | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8022-2          | EL-2 (5FT)             | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8022-3          | EL-3 (5FT)             | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8022-4          | EL-4 (3-4FT)           | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-108380/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-108380/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-108380/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8024-A-1-C MS   | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8024-A-1-D MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 108425

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|--------------------|-----------|--------|----------|------------|
| 890-8022-1         | EL-1 (5FT)         | Total/NA  | Solid  | 8015B NM | 108380     |
| 890-8022-2         | EL-2 (5FT)         | Total/NA  | Solid  | 8015B NM | 108380     |
| 890-8022-3         | EL-3 (5FT)         | Total/NA  | Solid  | 8015B NM | 108380     |
| 890-8022-4         | EL-4 (3-4FT)       | Total/NA  | Solid  | 8015B NM | 108380     |
| MB 880-108380/1-A  | Method Blank       | Total/NA  | Solid  | 8015B NM | 108380     |
| LCS 880-108380/2-A | Lab Control Sample | Total/NA  | Solid  | 8015B NM | 108380     |

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## QC Association Summary

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

## GC Semi VOA (Continued)

## Analysis Batch: 108425 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| LCSD 880-108380/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 108380     |
| 890-8024-A-1-C MS   | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 108380     |
| 890-8024-A-1-D MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 108380     |

## Analysis Batch: 108494

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-8022-1    | EL-1 (5FT)       | Total/NA  | Solid  | 8015 NM |            |
| 890-8022-2    | EL-2 (5FT)       | Total/NA  | Solid  | 8015 NM |            |
| 890-8022-3    | EL-3 (5FT)       | Total/NA  | Solid  | 8015 NM |            |
| 890-8022-4    | EL-4 (3-4FT)     | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 108371

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8022-1          | EL-1 (5FT)             | Soluble   | Solid  | DI Leach |            |
| 890-8022-2          | EL-2 (5FT)             | Soluble   | Solid  | DI Leach |            |
| 890-8022-3          | EL-3 (5FT)             | Soluble   | Solid  | DI Leach |            |
| 890-8022-4          | EL-4 (3-4FT)           | Soluble   | Solid  | DI Leach |            |
| MB 880-108371/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-108371/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-108371/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 890-8021-A-68-B MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 890-8021-A-68-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 108379

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8022-1          | EL-1 (5FT)             | Soluble   | Solid  | 300.0  | 108371     |
| 890-8022-2          | EL-2 (5FT)             | Soluble   | Solid  | 300.0  | 108371     |
| 890-8022-3          | EL-3 (5FT)             | Soluble   | Solid  | 300.0  | 108371     |
| 890-8022-4          | EL-4 (3-4FT)           | Soluble   | Solid  | 300.0  | 108371     |
| MB 880-108371/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 108371     |
| LCS 880-108371/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 108371     |
| LCSD 880-108371/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 108371     |
| 890-8021-A-68-B MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 108371     |
| 890-8021-A-68-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 108371     |

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## Lab Chronicle

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

Client Sample ID: EL-1 (5FT)

Lab Sample ID: 890-8022-1

Date Collected: 04/22/25 15:30

Matrix: Solid

Date Received: 04/22/25 16:04

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 108382       | 04/23/25 08:37       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 108372       | 04/23/25 11:24       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 108466       | 04/23/25 11:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 108494       | 04/23/25 12:14       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 108380       | 04/23/25 08:31       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 108425       | 04/23/25 12:14       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 108371       | 04/23/25 07:58       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 108379       | 04/23/25 09:51       | CH      | EET MID |

Client Sample ID: EL-2 (5FT)

Lab Sample ID: 890-8022-2

Date Collected: 04/22/25 14:50

Matrix: Solid

Date Received: 04/22/25 16:04

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 108382       | 04/23/25 08:37       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 108372       | 04/23/25 11:45       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 108466       | 04/23/25 11:45       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 108494       | 04/23/25 12:29       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 108380       | 04/23/25 08:31       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 108425       | 04/23/25 12:29       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 108371       | 04/23/25 07:58       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 108379       | 04/23/25 10:13       | CH      | EET MID |

Client Sample ID: EL-3 (5FT)

Lab Sample ID: 890-8022-3

Date Collected: 04/22/25 14:25

Matrix: Solid

Date Received: 04/22/25 16:04

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 108382       | 04/23/25 08:37       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 108372       | 04/23/25 12:05       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 108466       | 04/23/25 12:05       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 108494       | 04/23/25 12:44       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 108380       | 04/23/25 08:31       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 108425       | 04/23/25 12:44       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 108371       | 04/23/25 07:58       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 108379       | 04/23/25 10:21       | CH      | EET MID |

Client Sample ID: EL-4 (3-4FT)

Lab Sample ID: 890-8022-4

Date Collected: 04/22/25 14:00

Matrix: Solid

Date Received: 04/22/25 16:04

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 108382       | 04/23/25 08:37       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 108372       | 04/23/25 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 108466       | 04/23/25 12:26       | SM      | EET MID |

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Lab Chronicle

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

Client Sample ID: EL-4 (3-4FT)

Lab Sample ID: 890-8022-4

Date Collected: 04/22/25 14:00

Matrix: Solid

Date Received: 04/22/25 16:04

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 108494       | 04/23/25 12:58       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 108380       | 04/23/25 08:31       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 108425       | 04/23/25 12:58       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 108371       | 04/23/25 07:58       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 108379       | 04/23/25 10:28       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |

Method Summary

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8022-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-8022-1    | EL-1 (5FT)       | Solid  | 04/22/25 15:30 | 04/22/25 16:04 | 5FT   |
| 890-8022-2    | EL-2 (5FT)       | Solid  | 04/22/25 14:50 | 04/22/25 16:04 | 5FT   |
| 890-8022-3    | EL-3 (5FT)       | Solid  | 04/22/25 14:25 | 04/22/25 16:04 | 5FT   |
| 890-8022-4    | EL-4 (3-4FT)     | Solid  | 04/22/25 14:00 | 04/22/25 16:04 | 5FT   |

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Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1298  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 968-3199  
Little Rock, AR (501) 224-5060



890-8022 Chain of Custody

|                  |                  |                         |                         |
|------------------|------------------|-------------------------|-------------------------|
| Project Manager: | Brad Wynne       | Bill to: (if different) |                         |
| Company Name:    | ATECOM           | Company Name:           |                         |
| Address:         | 13555 Noel Rd    | Address:                |                         |
| City, State ZIP: | Dallas, TX 75240 | City, State ZIP:        |                         |
| Phone:           | 214-971-1829     | Email:                  | Bradley.Wynne@atcom.com |

|                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                              |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project:                                                                                                                                                                |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                                 |  |

|                          |                                                                                            |                                                                                         |            |            |  |
|--------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------|------------|--|
| Project Name:            | Amoco CTB                                                                                  | Turn Around                                                                             |            | Pres. Code |  |
| Project Number:          |                                                                                            | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush               |            |            |  |
| Project Location:        | Long, NM                                                                                   | Due Date:                                                                               | ASAP       |            |  |
| Sample Name:             | Janes Lecky                                                                                | TAT starts the day received by the lab. If received by 4:30pm                           |            |            |  |
| PO #:                    |                                                                                            |                                                                                         |            |            |  |
| SAMPLE RECEIPT           | Temp Blank: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Wet Ice: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Parameters |            |  |
| Samples Received Intact: | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No             | Thermometer ID:                                                                         | TMCV7      |            |  |
| Cooler Custody Seals:    | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No             | Correction Factor:                                                                      | -0.2       |            |  |
| Sample Custody Seals:    | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No             | Temperature Reading:                                                                    | 1.2        |            |  |
| Total Containers:        |                                                                                            | Corrected Temperature:                                                                  | 1.0        |            |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont |   |   |   |   |   |   |   |   |   |   | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|---|---|---|---|---|---|---|---|---|---|-----------------|
| EL-1 (5 ft)           | Soil   | 4/22/25      | 1530         | 14"   | Comp      | 1         | X | X | X | X | X | X | X | X | X | X | BTEX            |
| EL-2 (5 ft)           | Soil   | 4/22/25      | 1450         | 5 ft  | Comp      | 1         | X | X | X | X | X | X | X | X | X | X | TPH             |
| EL-3 (5 ft)           | Soil   | 4/22/25      | 1425         | 5 ft  | Comp      | 1         | X | X | X | X | X | X | X | X | X | X | chloride        |
| EL-4 (5 ft)           | Soil   | 4/22/25      | 1400         | 5 ft  | Comp      | 1         | X | X | X | X | X | X | X | X | X | X |                 |

|                                              |               |                   |          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                                |    |    |    |    |   |   |    |
|----------------------------------------------|---------------|-------------------|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|--------------------------------|----|----|----|----|---|---|----|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM       | Texas 11 | Al | Sb | As | Ba | Be | B  | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Mo | Ni | K | Se | Ag | SiO <sub>2</sub>               | Na | Sr | Ti | Sn | U | V | Zn |
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010: | 8RCRA    | Sb | As | Ba | Be | Cd | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se | Ag | Ti | U  |    |   |    |    | Hg: 1631 / 245.1 / 7470 / 7471 |    |    |    |    |   |   |    |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |           |                              |                          |           |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| John Hudson                  | John Hudson              | 4/22/25   | John Hudson                  | John Hudson              | 4/22/25   |

## Login Sample Receipt Checklist

Client: AECOM

Job Number: 890-8022-1

Login Number: 8022

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

| Question                                                                         | Answer | Comment                             |
|----------------------------------------------------------------------------------|--------|-------------------------------------|
| The cooler's custody seal, if present, is intact.                                | True   |                                     |
| Sample custody seals, if present, are intact.                                    | True   |                                     |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |                                     |
| Samples were received on ice.                                                    | True   |                                     |
| Cooler Temperature is acceptable.                                                | True   |                                     |
| Cooler Temperature is recorded.                                                  | True   |                                     |
| COC is present                                                                   | True   |                                     |
| COC is filled out in ink and legible.                                            | True   |                                     |
| COC is filled out with all pertinent information                                 | True   |                                     |
| Is the Field Sampler's name present on COC?                                      | True   |                                     |
| There are no discrepancies between the containers received and the COC.          | True   |                                     |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |                                     |
| Sample containers have legible labels.                                           | True   |                                     |
| Containers are not broken or leaking.                                            | True   |                                     |
| Sample collection date/times are provided.                                       | True   |                                     |
| Appropriate sample containers are used.                                          | N/A    | Refer to Job Narrative for details. |
| Sample bottles are completely filled.                                            | True   |                                     |
| Sample Preservation Verified.                                                    | N/A    |                                     |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |                                     |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |                                     |



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 890-8022-1

Login Number: 8022

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 04/23/25 08:43 AM

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 2/12/2025 5:59:00 PM

## JOB DESCRIPTION

AMOCO FED 11 CTB  
60743624

## JOB NUMBER

890-7652-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220

# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
2/12/2025 5:59:00 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Laboratory Job ID: 890-7652-1  
SDG: 60743624

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## Definitions/Glossary

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1+       | Surrogate recovery exceeds control limits, high biased.                                                        |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

## HPLC/IC

| Qualifier | Qualifier Description                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| U         | Indicates the analyte was analyzed for but not detected.                                                                                                  |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: AECOM  
Project: AMOCO FED 11 CTB

Job ID: 890-7652-1

Job ID: 890-7652-1

Eurofins Carlsbad

**Job Narrative**  
**890-7652-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The samples were received on 2/7/2025 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.0°C.

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: SB - 04 (20 -21) (890-7652-1), SB - 04 (21 - 22) (890-7652-2), SB - 04 (22 - 23) (890-7652-3), SB - 04 (23 - 24) (890-7652-4), SB - 04 (24 - 25) (890-7652-5), SB - 04 (25 - 26) (890-7652-6), SB - 04 (26 - 27) (890-7652-7), SB - 04 (27 - 28) (890-7652-8), SB - 04 (28 - 29) (890-7652-9), SB - 04 (29 - 30) (890-7652-10), SB - 05 (20 - 21) (890-7652-11), SB - 05 (21 - 22) (890-7652-12), SB - 05 (22 - 23) (890-7652-13), SB - 05 (23 - 24) (890-7652-14), SB - 05 (24 - 25) (890-7652-15), SB - 05 (25 - 26) (890-7652-16), SB - 05 (26 - 27) (890-7652-17), SB - 05 (27 - 28) (890-7652-18), SB - 06 (20 -21) (890-7652-19), SB - 06 (21 - 22) (890-7652-20), SB - 06 (22 - 23) (890-7652-21), SB - 06 (23 - 24) (890-7652-22), SB - 06 (24 - 25) (890-7652-23), SB - 06 (25 - 26) (890-7652-24), SB - 06 (26 - 27) (890-7652-25), SB - 06 (27 - 28) (890-7652-26) and TB - 03 (890-7652-27).

**GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Diesel Range Organics**

Method 8015MOD\_NM: The method blank for preparation batch 880-102350 and analytical batch 880-102419 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: SB - 04 (20 -21) (890-7652-1), SB - 05 (20 - 21) (890-7652-11) and SB - 06 (20 -21) (890-7652-19). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Carlsbad



## Client Sample Results

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

Client Sample ID: SB - 04 (20 -21)

Lab Sample ID: 890-7652-1

Date Collected: 02/06/25 16:15

Matrix: Solid

Date Received: 02/07/25 15:00

Sample Depth: 20 -21

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 | 0.00139 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 16:19 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 16:19 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | 0.00108 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 16:19 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | 0.00228 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 16:19 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 | 0.00158 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 16:19 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 | 0.00228 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 16:19 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 98        |           | 70 - 130 | 02/10/25 11:30 | 02/10/25 16:19 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 | 02/10/25 11:30 | 02/10/25 16:19 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | 0.00228 | mg/Kg |   |          | 02/10/25 16:19 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 24.7   | J         | 50.0 | 15.1 | mg/Kg |   |          | 02/11/25 13:41 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | 14.5 | mg/Kg |   | 02/09/25 21:20 | 02/11/25 13:41 | 1       |
| Diesel Range Organics (Over C10-C28) | 24.7   | J         | 50.0 | 15.1 | mg/Kg |   | 02/09/25 21:20 | 02/11/25 13:41 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | 15.1 | mg/Kg |   | 02/09/25 21:20 | 02/11/25 13:41 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 115       |           | 70 - 130 | 02/09/25 21:20 | 02/11/25 13:41 | 1       |
| o-Terphenyl    | 135       | S1+       | 70 - 130 | 02/09/25 21:20 | 02/11/25 13:41 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 281    |           | 9.94 | 0.393 | mg/Kg |   |          | 02/10/25 16:48 | 1       |

Client Sample ID: SB - 05 (20 - 21)

Lab Sample ID: 890-7652-11

Date Collected: 02/07/25 10:15

Matrix: Solid

Date Received: 02/07/25 15:00

Sample Depth: 20 - 21

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 | 0.00138 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 16:40 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 16:40 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | 0.00108 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 16:40 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | 0.00227 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 16:40 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 | 0.00157 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 16:40 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 | 0.00227 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 16:40 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109       |           | 70 - 130 | 02/10/25 11:30 | 02/10/25 16:40 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

Client Sample ID: SB - 05 (20 - 21)

Lab Sample ID: 890-7652-11

Date Collected: 02/07/25 10:15

Matrix: Solid

Date Received: 02/07/25 15:00

Sample Depth: 20 - 21

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 81        |           | 70 - 130 | 02/10/25 11:30 | 02/10/25 16:40 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | 0.00227 | mg/Kg |   |          | 02/10/25 16:40 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 22.9   | J         | 49.8 | 15.1 | mg/Kg |   |          | 02/11/25 14:01 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     | 14.5 | mg/Kg |   | 02/09/25 21:20 | 02/11/25 14:01 | 1       |
| Diesel Range Organics (Over C10-C28) | 22.9      | J         | 49.8     | 15.1 | mg/Kg |   | 02/09/25 21:20 | 02/11/25 14:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     | 15.1 | mg/Kg |   | 02/09/25 21:20 | 02/11/25 14:01 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 124       |           | 70 - 130 |      |       |   | 02/09/25 21:20 | 02/11/25 14:01 | 1       |
| o-Terphenyl                          | 144       | S1+       | 70 - 130 |      |       |   | 02/09/25 21:20 | 02/11/25 14:01 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 413    |           | 49.6 | 1.96 | mg/Kg |   |          | 02/10/25 17:06 | 5       |

Client Sample ID: SB - 06 (20 -21)

Lab Sample ID: 890-7652-19

Date Collected: 02/07/25 14:30

Matrix: Solid

Date Received: 02/07/25 15:00

Sample Depth: 20 - 21

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | 0.00139 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 17:00 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 17:00 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | 0.00109 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 17:00 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 | 0.00228 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 17:00 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | 0.00158 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 17:00 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 | 0.00228 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 17:00 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 96        |           | 70 - 130 | 02/10/25 11:30 | 02/10/25 17:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 | 02/10/25 11:30 | 02/10/25 17:00 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 02/10/25 17:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 24.0   | J         | 49.7 | 15.0 | mg/Kg |   |          | 02/11/25 14:21 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

Client Sample ID: SB - 06 (20 -21)

Lab Sample ID: 890-7652-19

Date Collected: 02/07/25 14:30

Matrix: Solid

Date Received: 02/07/25 15:00

Sample Depth: 20 - 21

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7     | U         | 49.7     | 14.4 | mg/Kg |   | 02/09/25 21:20 | 02/11/25 14:21 | 1       |
| Diesel Range Organics (Over C10-C28) | 24.0      | J         | 49.7     | 15.0 | mg/Kg |   | 02/09/25 21:20 | 02/11/25 14:21 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7     | U         | 49.7     | 15.0 | mg/Kg |   | 02/09/25 21:20 | 02/11/25 14:21 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 113       |           | 70 - 130 |      |       |   | 02/09/25 21:20 | 02/11/25 14:21 | 1       |
| o-Terphenyl                          | 132       | S1+       | 70 - 130 |      |       |   | 02/09/25 21:20 | 02/11/25 14:21 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 125    |           | 9.90 | 0.391 | mg/Kg |   |          | 02/10/25 17:12 | 1       |

Client Sample ID: TB - 03

Lab Sample ID: 890-7652-27

Date Collected: 02/07/25 00:00

Matrix: Water

Date Received: 02/07/25 15:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL      | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|------|---|----------|----------------|---------|
| Benzene                     | <0.00200  | U         | 0.00200  | 0.00146  | mg/L |   |          | 02/12/25 00:41 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.000985 | mg/L |   |          | 02/12/25 00:41 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | 0.00105  | mg/L |   |          | 02/12/25 00:41 | 1       |
| m-Xylene & p-Xylene         | <0.00400  | U         | 0.00400  | 0.00263  | mg/L |   |          | 02/12/25 00:41 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | 0.00111  | mg/L |   |          | 02/12/25 00:41 | 1       |
| Xylenes, Total              | <0.00400  | U         | 0.00400  | 0.00263  | mg/L |   |          | 02/12/25 00:41 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |          |      |   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 |          |      |   |          | 02/12/25 00:41 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 |          |      |   |          | 02/12/25 00:41 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 | 0.00263 | mg/L |   |          | 02/12/25 00:41 | 1       |

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## Surrogate Summary

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-54174-A-17-G MS               | Matrix Spike           | 99                                             | 102               |
| 880-54174-A-17-H MSD              | Matrix Spike Duplicate | 112                                            | 98                |
| 890-7652-1                        | SB - 04 (20 -21)       | 98                                             | 93                |
| 890-7652-11                       | SB - 05 (20 - 21)      | 109                                            | 81                |
| 890-7652-19                       | SB - 06 (20 -21)       | 96                                             | 93                |
| LCS 880-102374/1-A                | Lab Control Sample     | 113                                            | 88                |
| LCSD 880-102374/2-A               | Lab Control Sample Dup | 100                                            | 103               |
| MB 880-102374/5-A                 | Method Blank           | 95                                             | 93                |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-54147-H-1 MS                  | Matrix Spike           | 97                                             | 106               |
| 880-54147-H-1 MSD                 | Matrix Spike Duplicate | 101                                            | 111               |
| 890-7652-27                       | TB - 03                | 104                                            | 103               |
| LCS 880-102428/34                 | Lab Control Sample     | 95                                             | 107               |
| LCSD 880-102428/35                | Lab Control Sample Dup | 99                                             | 111               |
| MB 880-102428/39                  | Method Blank           | 99                                             | 94                |
| MB 880-102436/5-A                 | Method Blank           | 94                                             | 92                |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 890-7651-A-1-F MS       | Matrix Spike           | 121                                            | 127               |
| 890-7651-A-1-G MSD      | Matrix Spike Duplicate | 105                                            | 109               |
| 890-7652-1              | SB - 04 (20 -21)       | 115                                            | 135 S1+           |
| 890-7652-11             | SB - 05 (20 - 21)      | 124                                            | 144 S1+           |
| 890-7652-19             | SB - 06 (20 -21)       | 113                                            | 132 S1+           |
| LCS 880-102350/2-A      | Lab Control Sample     | 107                                            | 119               |
| LCSD 880-102350/3-A     | Lab Control Sample Dup | 108                                            | 114               |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

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Surrogate Summary

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                      |                  | Percent Surrogate Recovery (Acceptance Limits) |       |  |  |  |  |  |  |
|----------------------|------------------|------------------------------------------------|-------|--|--|--|--|--|--|
|                      |                  | 1CO1                                           | OTPH1 |  |  |  |  |  |  |
| Lab Sample ID        | Client Sample ID |                                                |       |  |  |  |  |  |  |
| MB 880-102350/1-A    | Method Blank     |                                                |       |  |  |  |  |  |  |
| Surrogate Legend     |                  |                                                |       |  |  |  |  |  |  |
| 1CO = 1-Chlorooctane |                  |                                                |       |  |  |  |  |  |  |
| OTPH = o-Terphenyl   |                  |                                                |       |  |  |  |  |  |  |

## QC Sample Results

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102374/5-A

Matrix: Solid

Analysis Batch: 102377

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102374

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | 0.00139 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 15:37 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | 0.00200 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 15:37 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | 0.00109 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 15:37 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | 0.00229 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 15:37 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | 0.00158 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 15:37 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | 0.00229 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 15:37 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95              |                 | 70 - 130 | 02/10/25 11:30 | 02/10/25 15:37 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93              |                 | 70 - 130 | 02/10/25 11:30 | 02/10/25 15:37 | 1       |

Lab Sample ID: LCS 880-102374/1-A

Matrix: Solid

Analysis Batch: 102377

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102374

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.09448       |                  | mg/Kg |   | 94   | 70 - 130       |
| Toluene             | 0.100          | 0.1084        |                  | mg/Kg |   | 108  | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.1213        |                  | mg/Kg |   | 121  | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.2319        |                  | mg/Kg |   | 116  | 70 - 130       |
| o-Xylene            | 0.100          | 0.1143        |                  | mg/Kg |   | 114  | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 113              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 88               |                  | 70 - 130 |

Lab Sample ID: LCSD 880-102374/2-A

Matrix: Solid

Analysis Batch: 102377

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102374

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.09885        |                   | mg/Kg |   | 99   | 70 - 130       | 5   | 35           |
| Toluene             | 0.100          | 0.1006         |                   | mg/Kg |   | 101  | 70 - 130       | 7   | 35           |
| Ethylbenzene        | 0.100          | 0.1021         |                   | mg/Kg |   | 102  | 70 - 130       | 17  | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.1967         |                   | mg/Kg |   | 98   | 70 - 130       | 16  | 35           |
| o-Xylene            | 0.100          | 0.09715        |                   | mg/Kg |   | 97   | 70 - 130       | 16  | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 100               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 103               |                   | 70 - 130 |

Lab Sample ID: 880-54174-A-17-G MS

Matrix: Solid

Analysis Batch: 102377

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102374

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00200         | U                   | 0.0998         | 0.08507      |                 | mg/Kg |   | 85   | 70 - 130       |
| Toluene | <0.00200         | U                   | 0.0998         | 0.08430      |                 | mg/Kg |   | 84   | 70 - 130       |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-54174-A-17-G MS

Matrix: Solid

Analysis Batch: 102377

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102374

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00200      | U                | 0.0998      | 0.08715   |              | mg/Kg |   | 87   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00401      | U                | 0.200       | 0.1669    |              | mg/Kg |   | 84   | 70 - 130    |
| o-Xylene            | <0.00200      | U                | 0.0998      | 0.08213   |              | mg/Kg |   | 82   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 99           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102          |              | 70 - 130 |

Lab Sample ID: 880-54174-A-17-H MSD

Matrix: Solid

Analysis Batch: 102377

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102374

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00200      | U                | 0.0996      | 0.07730    |               | mg/Kg |   | 78   | 70 - 130    | 10  | 35        |
| Toluene             | <0.00200      | U                | 0.0996      | 0.09341    |               | mg/Kg |   | 94   | 70 - 130    | 10  | 35        |
| Ethylbenzene        | <0.00200      | U                | 0.0996      | 0.1077     |               | mg/Kg |   | 108  | 70 - 130    | 21  | 35        |
| m-Xylene & p-Xylene | <0.00401      | U                | 0.199       | 0.1977     |               | mg/Kg |   | 99   | 70 - 130    | 17  | 35        |
| o-Xylene            | <0.00200      | U                | 0.0996      | 0.09616    |               | mg/Kg |   | 97   | 70 - 130    | 16  | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 112           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98            |               | 70 - 130 |

Lab Sample ID: MB 880-102428/39

Matrix: Water

Analysis Batch: 102428

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte             | MB Result | MB Qualifier | RL      | MDL      | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|----------|------|---|----------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 | 0.00146  | mg/L |   |          | 02/11/25 23:38 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 | 0.000985 | mg/L |   |          | 02/11/25 23:38 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 | 0.00105  | mg/L |   |          | 02/11/25 23:38 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 | 0.00263  | mg/L |   |          | 02/11/25 23:38 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 | 0.00111  | mg/L |   |          | 02/11/25 23:38 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 | 0.00263  | mg/L |   |          | 02/11/25 23:38 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99           |              | 70 - 130 |          | 02/11/25 23:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94           |              | 70 - 130 |          | 02/11/25 23:38 | 1       |

Lab Sample ID: LCS 880-102428/34

Matrix: Water

Analysis Batch: 102428

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|------|---|------|-------------|
| Benzene             | 0.100       | 0.09674    |               | mg/L |   | 97   | 70 - 130    |
| Toluene             | 0.100       | 0.08423    |               | mg/L |   | 84   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.08980    |               | mg/L |   | 90   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1871     |               | mg/L |   | 94   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-102428/34

Matrix: Water

Analysis Batch: 102428

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added   | LCS Result    | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|---------------|---------------|---------------|------|---|------|-------------|
| o-Xylene                    | 0.100         | 0.09394       |               | mg/L |   | 94   | 70 - 130    |
|                             |               |               |               |      |   |      |             |
| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits        |      |   |      |             |
| 4-Bromofluorobenzene (Surr) | 95            |               | 70 - 130      |      |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 107           |               | 70 - 130      |      |   |      |             |

Lab Sample ID: LCSD 880-102428/35

Matrix: Water

Analysis Batch: 102428

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                     | Spike Added    | LCSD Result    | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|----------------|----------------|----------------|------|---|------|-------------|-----|-----------|
| Benzene                     | 0.100          | 0.1049         |                | mg/L |   | 105  | 70 - 130    | 8   | 20        |
| Toluene                     | 0.100          | 0.09086        |                | mg/L |   | 91   | 70 - 130    | 8   | 20        |
| Ethylbenzene                | 0.100          | 0.09781        |                | mg/L |   | 98   | 70 - 130    | 9   | 20        |
| m-Xylene & p-Xylene         | 0.200          | 0.2038         |                | mg/L |   | 102  | 70 - 130    | 9   | 20        |
| o-Xylene                    | 0.100          | 0.1029         |                | mg/L |   | 103  | 70 - 130    | 9   | 20        |
|                             |                |                |                |      |   |      |             |     |           |
| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits         |      |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 99             |                | 70 - 130       |      |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 111            |                | 70 - 130       |      |   |      |             |     |           |

Lab Sample ID: 880-54147-H-1 MS

Matrix: Water

Analysis Batch: 102428

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Benzene                     | <0.00200      | U                | 0.100       | 0.09246   |              | mg/L |   | 92   | 70 - 130    |
| Toluene                     | <0.00200      | U                | 0.100       | 0.08049   |              | mg/L |   | 80   | 70 - 130    |
| Ethylbenzene                | <0.00200      | U                | 0.100       | 0.08931   |              | mg/L |   | 89   | 70 - 130    |
| m-Xylene & p-Xylene         | <0.00400      | U                | 0.200       | 0.1842    |              | mg/L |   | 92   | 70 - 130    |
| o-Xylene                    | <0.00200      | U                | 0.100       | 0.09476   |              | mg/L |   | 95   | 70 - 130    |
|                             |               |                  |             |           |              |      |   |      |             |
| Surrogate                   | MS %Recovery  | MS Qualifier     | Limits      |           |              |      |   |      |             |
| 4-Bromofluorobenzene (Surr) | 97            |                  | 70 - 130    |           |              |      |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 106           |                  | 70 - 130    |           |              |      |   |      |             |

Lab Sample ID: 880-54147-H-1 MSD

Matrix: Water

Analysis Batch: 102428

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Benzene             | <0.00200      | U                | 0.100       | 0.09328    |               | mg/L |   | 93   | 70 - 130    | 1   | 25        |
| Toluene             | <0.00200      | U                | 0.100       | 0.08068    |               | mg/L |   | 81   | 70 - 130    | 0   | 25        |
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.08691    |               | mg/L |   | 87   | 70 - 130    | 3   | 25        |
| m-Xylene & p-Xylene | <0.00400      | U                | 0.200       | 0.1821     |               | mg/L |   | 91   | 70 - 130    | 1   | 25        |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.09535    |               | mg/L |   | 95   | 70 - 130    | 1   | 25        |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-54147-H-1 MSD  
Matrix: Water  
Analysis Batch: 102428

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 111       |           | 70 - 130 |

Lab Sample ID: MB 880-102436/5-A  
Matrix: Water  
Analysis Batch: 102428

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 102436

| Analyte             | MB       | MB        |         |          |      |   |                |                |         |
|---------------------|----------|-----------|---------|----------|------|---|----------------|----------------|---------|
|                     | Result   | Qualifier | RL      | MDL      | Unit | D | Prepared       | Analyzed       | Dil Fac |
| Benzene             | <0.00200 | U         | 0.00200 | 0.00146  | mg/L |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.000985 | mg/L |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | 0.00105  | mg/L |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| m-Xylene & p-Xylene | <0.00400 | U         | 0.00400 | 0.00263  | mg/L |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | 0.00111  | mg/L |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| Xylenes, Total      | <0.00400 | U         | 0.00400 | 0.00263  | mg/L |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |

|                             | MB        | MB        |          |  |  |  |                |                |         |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 |  |  |  | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 |  |  |  | 02/11/25 08:59 | 02/11/25 11:16 | 1       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-102350/1-A  
Matrix: Solid  
Analysis Batch: 102419

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 102350

| Analyte                              | MB     | MB        |      |      |       |   |                |                |         |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
|                                      | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | 24.49  | J         | 50.0 | 14.5 | mg/Kg |   | 02/09/25 21:20 | 02/11/25 08:42 | 1       |
| Diesel Range Organics (Over C10-C28) | 24.76  | J         | 50.0 | 15.1 | mg/Kg |   | 02/09/25 21:20 | 02/11/25 08:42 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | 15.1 | mg/Kg |   | 02/09/25 21:20 | 02/11/25 08:42 | 1       |

|                | MB        | MB        |        |  |  |  |                |                |         |
|----------------|-----------|-----------|--------|--|--|--|----------------|----------------|---------|
| Surrogate      | %Recovery | Qualifier | Limits |  |  |  | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane |           |           |        |  |  |  | 02/09/25 21:20 | 02/11/25 08:42 | 1       |
| o-Terphenyl    |           |           |        |  |  |  | 02/09/25 21:20 | 02/11/25 08:42 | 1       |

Lab Sample ID: LCS 880-102350/2-A  
Matrix: Solid  
Analysis Batch: 102419

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 102350

| Analyte                              | Spike | LCS    | LCS       |       |   |      |      |          |  |
|--------------------------------------|-------|--------|-----------|-------|---|------|------|----------|--|
|                                      | Added | Result | Qualifier | Unit  | D | %Rec | %Rec | Limits   |  |
| Gasoline Range Organics (GRO)-C6-C10 | 1000  | 1044   |           | mg/Kg |   | 104  |      | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) | 1000  | 1115   |           | mg/Kg |   | 112  |      | 70 - 130 |  |

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 107       |           | 70 - 130 |
| o-Terphenyl    | 119       |           | 70 - 130 |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: LCSD 880-102350/3-A

Matrix: Solid

Analysis Batch: 102419

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102350

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1059        |                | mg/Kg |   | 106  | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1149        |                | mg/Kg |   | 115  | 70 - 130    | 3   | 20        |
|                                      |             |             |                |       |   |      |             |     |           |
|                                      |             | LCSD        | LCSD           |       |   |      |             |     |           |
| Surrogate                            | %Recovery   | Qualifier   | Limits         |       |   |      |             |     |           |
| 1-Chlorooctane                       | 108         |             | 70 - 130       |       |   |      |             |     |           |
| o-Terphenyl                          | 114         |             | 70 - 130       |       |   |      |             |     |           |

Lab Sample ID: 890-7651-A-1-F MS

Matrix: Solid

Analysis Batch: 102419

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102350

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 49.6          | J                | 997         | 1243      |              | mg/Kg |   | 120  | 70 - 130    |     |           |
| Diesel Range Organics (Over C10-C28) | 26.2          | J                | 997         | 1002      |              | mg/Kg |   | 98   | 70 - 130    |     |           |
|                                      |               |                  |             |           |              |       |   |      |             |     |           |
|                                      |               | MS               | MS          |           |              |       |   |      |             |     |           |
| Surrogate                            | %Recovery     | Qualifier        | Limits      |           |              |       |   |      |             |     |           |
| 1-Chlorooctane                       | 121           |                  | 70 - 130    |           |              |       |   |      |             |     |           |
| o-Terphenyl                          | 127           |                  | 70 - 130    |           |              |       |   |      |             |     |           |

Lab Sample ID: 890-7651-A-1-G MSD

Matrix: Solid

Analysis Batch: 102419

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102350

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 49.6          | J                | 997         | 1017       |               | mg/Kg |   | 97   | 70 - 130    | 20  | 20        |
| Diesel Range Organics (Over C10-C28) | 26.2          | J                | 997         | 862.2      |               | mg/Kg |   | 84   | 70 - 130    | 15  | 20        |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      |               | MSD              | MSD         |            |               |       |   |      |             |     |           |
| Surrogate                            | %Recovery     | Qualifier        | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 105           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 109           |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102372/1-A

Matrix: Solid

Analysis Batch: 102376

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <10.0     | U            | 10.0 | 0.395 | mg/Kg |   |          | 02/10/25 15:52 | 1       |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-102372/2-A  
Matrix: Solid  
Analysis Batch: 102376

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 263.3      |               | mg/Kg |   | 105  | 90 - 110    |

Lab Sample ID: LCSD 880-102372/3-A  
Matrix: Solid  
Analysis Batch: 102376

Client Sample ID: Lab Control Sample Dup  
Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 264.6       |                | mg/Kg |   | 106  | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-54174-A-17-E MS  
Matrix: Solid  
Analysis Batch: 102376

Client Sample ID: Matrix Spike  
Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 1260          |                  | 251         | 1486      | 4            | mg/Kg |   | 90   | 90 - 110    |

Lab Sample ID: 880-54174-A-17-F MSD  
Matrix: Solid  
Analysis Batch: 102376

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 1260          |                  | 251         | 1491       | 4             | mg/Kg |   | 92   | 90 - 110    | 0   | 20        |

## QC Association Summary

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

## GC VOA

## Prep Batch: 102374

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-7652-1           | SB - 04 (20 -21)       | Total/NA  | Solid  | 5035   |            |
| 890-7652-11          | SB - 05 (20 - 21)      | Total/NA  | Solid  | 5035   |            |
| 890-7652-19          | SB - 06 (20 -21)       | Total/NA  | Solid  | 5035   |            |
| MB 880-102374/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-102374/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-102374/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-54174-A-17-G MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-54174-A-17-H MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 102377

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-7652-1           | SB - 04 (20 -21)       | Total/NA  | Solid  | 8021B  | 102374     |
| 890-7652-11          | SB - 05 (20 - 21)      | Total/NA  | Solid  | 8021B  | 102374     |
| 890-7652-19          | SB - 06 (20 -21)       | Total/NA  | Solid  | 8021B  | 102374     |
| MB 880-102374/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 102374     |
| LCS 880-102374/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 102374     |
| LCSD 880-102374/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 102374     |
| 880-54174-A-17-G MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 102374     |
| 880-54174-A-17-H MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 102374     |

## Analysis Batch: 102428

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-7652-27        | TB - 03                | Total/NA  | Water  | 8021B  |            |
| MB 880-102428/39   | Method Blank           | Total/NA  | Water  | 8021B  |            |
| MB 880-102436/5-A  | Method Blank           | Total/NA  | Water  | 8021B  | 102436     |
| LCS 880-102428/34  | Lab Control Sample     | Total/NA  | Water  | 8021B  |            |
| LCSD 880-102428/35 | Lab Control Sample Dup | Total/NA  | Water  | 8021B  |            |
| 880-54147-H-1 MS   | Matrix Spike           | Total/NA  | Water  | 8021B  |            |
| 880-54147-H-1 MSD  | Matrix Spike Duplicate | Total/NA  | Water  | 8021B  |            |

## Prep Batch: 102436

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| MB 880-102436/5-A | Method Blank     | Total/NA  | Water  | 5035   |            |

## Analysis Batch: 102479

| Lab Sample ID | Client Sample ID  | Prep Type | Matrix | Method     | Prep Batch |
|---------------|-------------------|-----------|--------|------------|------------|
| 890-7652-1    | SB - 04 (20 -21)  | Total/NA  | Solid  | Total BTEX |            |
| 890-7652-11   | SB - 05 (20 - 21) | Total/NA  | Solid  | Total BTEX |            |
| 890-7652-19   | SB - 06 (20 -21)  | Total/NA  | Solid  | Total BTEX |            |

## Analysis Batch: 102649

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-7652-27   | TB - 03          | Total/NA  | Water  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 102350

| Lab Sample ID | Client Sample ID  | Prep Type | Matrix | Method      | Prep Batch |
|---------------|-------------------|-----------|--------|-------------|------------|
| 890-7652-1    | SB - 04 (20 -21)  | Total/NA  | Solid  | 8015NM Prep |            |
| 890-7652-11   | SB - 05 (20 - 21) | Total/NA  | Solid  | 8015NM Prep |            |
| 890-7652-19   | SB - 06 (20 -21)  | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

## GC Semi VOA (Continued)

## Prep Batch: 102350 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| MB 880-102350/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-102350/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-102350/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-7651-A-1-F MS   | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-7651-A-1-G MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 102419

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-7652-1          | SB - 04 (20 -21)       | Total/NA  | Solid  | 8015B NM | 102350     |
| 890-7652-11         | SB - 05 (20 - 21)      | Total/NA  | Solid  | 8015B NM | 102350     |
| 890-7652-19         | SB - 06 (20 -21)       | Total/NA  | Solid  | 8015B NM | 102350     |
| MB 880-102350/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 102350     |
| LCS 880-102350/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 102350     |
| LCSD 880-102350/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 102350     |
| 890-7651-A-1-F MS   | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 102350     |
| 890-7651-A-1-G MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 102350     |

## Analysis Batch: 102531

| Lab Sample ID | Client Sample ID  | Prep Type | Matrix | Method  | Prep Batch |
|---------------|-------------------|-----------|--------|---------|------------|
| 890-7652-1    | SB - 04 (20 -21)  | Total/NA  | Solid  | 8015 NM |            |
| 890-7652-11   | SB - 05 (20 - 21) | Total/NA  | Solid  | 8015 NM |            |
| 890-7652-19   | SB - 06 (20 -21)  | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 102372

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 890-7652-1           | SB - 04 (20 -21)       | Soluble   | Solid  | DI Leach |            |
| 890-7652-11          | SB - 05 (20 - 21)      | Soluble   | Solid  | DI Leach |            |
| 890-7652-19          | SB - 06 (20 -21)       | Soluble   | Solid  | DI Leach |            |
| MB 880-102372/1-A    | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-102372/2-A   | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-102372/3-A  | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-54174-A-17-E MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-54174-A-17-F MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 102376

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 890-7652-1           | SB - 04 (20 -21)       | Soluble   | Solid  | 300.0  | 102372     |
| 890-7652-11          | SB - 05 (20 - 21)      | Soluble   | Solid  | 300.0  | 102372     |
| 890-7652-19          | SB - 06 (20 -21)       | Soluble   | Solid  | 300.0  | 102372     |
| MB 880-102372/1-A    | Method Blank           | Soluble   | Solid  | 300.0  | 102372     |
| LCS 880-102372/2-A   | Lab Control Sample     | Soluble   | Solid  | 300.0  | 102372     |
| LCSD 880-102372/3-A  | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 102372     |
| 880-54174-A-17-E MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 102372     |
| 880-54174-A-17-F MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 102372     |

Eurofins Carlsbad

## Lab Chronicle

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

Client Sample ID: SB - 04 (20 -21)

Lab Sample ID: 890-7652-1

Date Collected: 02/06/25 16:15

Matrix: Solid

Date Received: 02/07/25 15:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 102374       | 02/10/25 11:30       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102377       | 02/10/25 16:19       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102479       | 02/10/25 16:19       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102531       | 02/11/25 13:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 102350       | 02/09/25 21:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102419       | 02/11/25 13:41       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 102372       | 02/10/25 11:11       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102376       | 02/10/25 16:48       | SMC     | EET MID |

Client Sample ID: SB - 05 (20 - 21)

Lab Sample ID: 890-7652-11

Date Collected: 02/07/25 10:15

Matrix: Solid

Date Received: 02/07/25 15:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 102374       | 02/10/25 11:30       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102377       | 02/10/25 16:40       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102479       | 02/10/25 16:40       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102531       | 02/11/25 14:01       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 102350       | 02/09/25 21:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102419       | 02/11/25 14:01       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 102372       | 02/10/25 11:11       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 102376       | 02/10/25 17:06       | SMC     | EET MID |

Client Sample ID: SB - 06 (20 -21)

Lab Sample ID: 890-7652-19

Date Collected: 02/07/25 14:30

Matrix: Solid

Date Received: 02/07/25 15:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 102374       | 02/10/25 11:30       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102377       | 02/10/25 17:00       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102479       | 02/10/25 17:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102531       | 02/11/25 14:21       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 102350       | 02/09/25 21:20       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102419       | 02/11/25 14:21       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 102372       | 02/10/25 11:11       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102376       | 02/10/25 17:12       | SMC     | EET MID |

Client Sample ID: TB - 03

Lab Sample ID: 890-7652-27

Date Collected: 02/07/25 00:00

Matrix: Water

Date Received: 02/07/25 15:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/12/25 00:41       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102649       | 02/12/25 00:41       | AJ      | EET MID |

Eurofins Carlsbad

Lab Chronicle

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

**Laboratory References:**  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |
| Total BTEX                                                                                                                                                                                            |             | Water                 | Total BTEX      |

Method Summary

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5030B       | Purge and Trap                     | SW846    | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: AECOM  
Project/Site: AMOCO FED 11 CTB

Job ID: 890-7652-1  
SDG: 60743624

| Lab Sample ID | Client Sample ID  | Matrix | Collected      | Received       | Depth   |
|---------------|-------------------|--------|----------------|----------------|---------|
| 890-7652-1    | SB - 04 (20 -21)  | Solid  | 02/06/25 16:15 | 02/07/25 15:00 | 20 -21  |
| 890-7652-11   | SB - 05 (20 - 21) | Solid  | 02/07/25 10:15 | 02/07/25 15:00 | 20 - 21 |
| 890-7652-19   | SB - 06 (20 -21)  | Solid  | 02/07/25 14:30 | 02/07/25 15:00 | 20 - 21 |
| 890-7652-27   | TB - 03           | Water  | 02/07/25 00:00 | 02/07/25 15:00 |         |

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## Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 609-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060

## Chain of Custody

**Work Order No:**

Page 1 of 5

|                  |                         |                  |                         |  |
|------------------|-------------------------|------------------|-------------------------|--|
| Project Manager: | Brad Wyne               |                  | Bill to: (if different) |  |
| Company Name:    | AECOM                   |                  | Company Name:           |  |
| Address:         | 1355 Noel Rd, Suite 400 |                  | Address:                |  |
| City, State ZIP: | Dallas, TX 75240        | City, State ZIP: |                         |  |
| Phone:           | 214-971-1829            | Email:           | Bradley.wyne@AECOM.com  |  |

**Work Order Comments**

**Program:** UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

**State of Project:**

**Reporting:** Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

**Deliverables:** EDD ☐ ADAPT ☐ Other: \_\_\_\_\_

|                                                                                                                  |  |                  |  |                                                                           |  |                           |  |
|------------------------------------------------------------------------------------------------------------------|--|------------------|--|---------------------------------------------------------------------------|--|---------------------------|--|
| Project Name:                                                                                                    |  | Amoco Fed. H CFB |  | Turn Around                                                               |  |                           |  |
| Project Number:                                                                                                  |  | 60743624         |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  | Pres. Code                |  |
| Project location:                                                                                                |  | Loving, NM       |  | Due Date:                                                                 |  | 3 Day                     |  |
| Sampler's Name:                                                                                                  |  | James Lovey      |  | TAT starts the day received by the lab, if received by 4:30pm             |  |                           |  |
| PO #:                                                                                                            |  |                  |  |                                                                           |  |                           |  |
| SAMPLE RECEIPT                                                                                                   |  | Temp Blank:      |  | Yes No                                                                    |  | Wet Ice: Yes/ No          |  |
| Samples Received Intact:                                                                                         |  | Yes No           |  | Thermometer ID:                                                           |  | (James)                   |  |
| Cooler Custody Seals:                                                                                            |  | Yes No           |  | N/A                                                                       |  | Correction Factor: -0.2   |  |
| Sample Custody Seals:                                                                                            |  | Yes No           |  | N/A                                                                       |  | Temperature Reading: -2.2 |  |
| Total Containers:                                                                                                |  |                  |  | Corrected Temperature:                                                    |  | -2.0                      |  |
| Parameters                                                                                                       |  |                  |  |                                                                           |  |                           |  |
| EX                                                                                                               |  | H                |  | lonide                                                                    |  |                           |  |
| ANALYSIS REQUEST                                                                                                 |  |                  |  |                                                                           |  |                           |  |
| <br>890-7652 Chain of Custody |  |                  |  |                                                                           |  |                           |  |
| Preservative Codes                                                                                               |  |                  |  |                                                                           |  |                           |  |
| None: NO                                                                                                         |  |                  |  | DI Water: H <sub>2</sub> O                                                |  |                           |  |
| Cool: COOL                                                                                                       |  |                  |  | MeOH: Me                                                                  |  |                           |  |
| HCL: HC                                                                                                          |  |                  |  | HNO <sub>3</sub>                                                          |  |                           |  |
| H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                                                                  |  |                  |  | NaOH: Na                                                                  |  |                           |  |
| H <sub>3</sub> PO <sub>4</sub> : HP                                                                              |  |                  |  |                                                                           |  |                           |  |
| NaHSO <sub>4</sub> : NABIS                                                                                       |  |                  |  |                                                                           |  |                           |  |
| Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NASO <sub>3</sub>                                                |  |                  |  |                                                                           |  |                           |  |
| Zn Acetate+NaOH: Zn                                                                                              |  |                  |  |                                                                           |  |                           |  |
| NaOH+Ascorbic Acid: SAPC                                                                                         |  |                  |  |                                                                           |  |                           |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | BT | TF | CS | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|----|----|----|-----------------|
| SB-04 (20-21)         | 501    | 2/6/25       | 1615         | 20-21 | G         | 1         | X  | X  | X  | Hold            |
| SB-04 (21-22)         |        |              | 1618         | 21-22 |           | 1         | X  | X  | X  | Hold            |
| SB-04 (22-23)         |        |              | 1621         | 22-23 |           | 1         | X  | X  | X  | Hold            |
| SB-04 (23-24)         |        |              | 1624         | 23-24 |           | 1         | X  | X  | X  | Hold            |
| SB-04 (24-25)         |        |              | 1627         | 24-25 |           | 1         | X  | X  | X  | Hold            |
| SB-04 (25-26)         |        |              | 1630         | 25-26 |           | 1         | X  | X  | X  | Hold            |
| SB-04 (26-27)         |        |              | 1633         | 26-27 |           | 1         | X  | X  | X  | Hold            |
| SB-04 (27-28)         |        |              | 1636         | 27-28 |           | 1         | X  | X  | X  | Hold            |
| SB-04 (28-29)         |        |              | 1639         | 28-29 |           | 1         | X  | X  | X  | Hold            |
| SB-04 (29-30)         |        |              | 1642         | 29-30 |           | 1         | X  | X  | X  | Hold            |

| Grade Method(s) and Material(s) to be analyzed | ICLP / SPLP 6010: 8RCRA | Sb    | As    | Ba       | Be | Cd | Cr | Co | Cu | Pb | Mn | Mo | Ni | Se | Ag | Ti | U  | Hg: 1631 / 245.1 / 7470 / 7471 |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|------------------------------------------------|-------------------------|-------|-------|----------|----|----|----|----|----|----|----|----|----|----|----|----|----|--------------------------------|----|----|---|----|----|------------------|----|----|----|----|---|---|----|
| Total 200.7 / 6010                             | 200.8 / 6020:           | 8RCRA | 13PPM | Texas 11 | Al | Sb | As | Ba | Be | B  | Cd | Ce | Cr | Cu | Fe | Pb | Mg | Mn                             | Mo | Ni | K | Se | Ag | SiO <sub>2</sub> | Na | Sn | Tl | Sn | U | V | Zn |

**Notice:** Signature of this document and relinquishment of sample constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated with Eurofins Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| <i>[Signature]</i>           | <i>[Signature]</i>       | 2/12/23 1500 |                              |                          |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2024



Environment Testing

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060

Work Order No: \_\_\_\_\_

Page 2 of 3

|                  |                         |                         |                         |
|------------------|-------------------------|-------------------------|-------------------------|
| Project Manager: | Brad Wynne              | Bill to: (if different) |                         |
| Company Name:    | AECOM                   | Company Name:           |                         |
| Address:         | 1335 Noel Rd. Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas, TX 75240        | City, State ZIP:        |                         |
| Phone:           | 214-971-1829            | Email:                  | Bradley.Wynne@AECOM.com |

|                                                                                                                                                                                                      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                                                  |  |
| Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |  |
| State of Project:                                                                                                                                                                                    |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>                     |  |
| Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____                                                                                                               |  |

|                          |                                                                     |                                                               |                                                                           |            |                                                                     |
|--------------------------|---------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------|------------|---------------------------------------------------------------------|
| Project Name:            | Amoco Fed. II CTB                                                   | Turn Around                                                   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code |                                                                     |
| Project Number:          | 60743624                                                            | Due Date:                                                     | 3 Day                                                                     |            |                                                                     |
| Project Location:        | Loving, NM                                                          | TAT starts the day received by the lab, if received by 4:30pm |                                                                           |            |                                                                     |
| Sampler's Name:          | Jones, Lory                                                         |                                                               |                                                                           |            |                                                                     |
| PO #:                    |                                                                     |                                                               |                                                                           |            |                                                                     |
| SAMPLE RECEIPT           |                                                                     | Temp Blank:                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No       | Well Ice:  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Samples Received Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Thermometer ID:                                               | 100027                                                                    |            |                                                                     |
| Cooler Custody Seals:    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Correction Factor:                                            | -0.2                                                                      |            |                                                                     |
| Sample Custody Seals:    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Temperature Reading:                                          | -2.2                                                                      |            |                                                                     |
| Total Containers:        |                                                                     | Corrected Temperature:                                        | -2.0                                                                      |            |                                                                     |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | ANALYSIS REQUEST | Preservative Codes |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------------|--------------------|
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------------|--------------------|

|               |      |        |       |       |   |   |      |      |
|---------------|------|--------|-------|-------|---|---|------|------|
| SB-05 (20-21) | 50:1 | 2/7/25 | 10:15 | 20-21 | G | 1 | BTEX | Hold |
| SB-05 (21-22) |      |        | 10:18 | 21-22 | G | 1 | X    | Hold |
| SB-05 (22-23) |      |        | 10:21 | 22-23 | G | 1 | X    | Hold |
| SB-05 (23-24) |      |        | 10:24 | 23-24 | G | 1 | X    | Hold |
| SB-05 (24-25) |      |        | 10:27 | 24-25 | G | 1 | X    | Hold |
| SB-05 (25-26) |      |        | 10:30 | 25-26 | G | 1 | X    | Hold |
| SB-05 (26-27) |      |        | 10:33 | 26-27 | G | 1 | X    | Hold |
| SB-05 (27-28) |      |        | 10:36 | 27-28 | G | 1 | X    | Hold |
| SB-06 (20-21) |      |        | 14:30 | 20-21 | G | 1 | X    | Hold |
| SB-06 (21-22) |      |        | 14:33 | 21-22 | G | 1 | X    | Hold |

|                                              |                                                                        |                                |                                                                                            |
|----------------------------------------------|------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020:                                                          | 8RCRA 13PPM Texas 11           | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245.1 / 7470 / 7471 |                                                                                            |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, Inc. affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

|                              |                          |             |                              |                          |           |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i>           | <i>[Signature]</i>       | 2/7/25 1500 |                              |                          |           |
|                              |                          |             |                              |                          |           |
|                              |                          |             |                              |                          |           |
|                              |                          |             |                              |                          |           |





# Environment Testing

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
 El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5060

Work Order No: \_\_\_\_\_

Page 3 of 3

|                  |                          |                         |                         |
|------------------|--------------------------|-------------------------|-------------------------|
| Project Manager: | Brad Wynne               | Bill to: (if different) |                         |
| Company Name:    | AECOM                    | Company Name:           |                         |
| Address:         | 13355 Noel Rd. Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas, TX 75240         | City, State ZIP:        |                         |
| Phone:           | 214-971-1829             | Email:                  | Bradley.Wynne@AECOM.com |

|                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                              |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfield <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>       |  |
| State of Project:                                                                                                                                                                |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                                 |  |

|                          |                                                                                            |                                                                                         |        |
|--------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------|
| Project Name:            | Amoco Fed. II CTB                                                                          | Turn Around                                                                             |        |
| Project Number:          | 60743624                                                                                   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush               |        |
| Project Location:        | Loving, NM                                                                                 | Due Date:                                                                               | 3 Day  |
| Sampler's Name:          | Jones, Lovey                                                                               | TAT starts the day received by the lab, if received by 4:30pm                           |        |
| PO #:                    |                                                                                            |                                                                                         |        |
| SAMPLE RECEIPT           | Tamp Blank: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Wet Ice: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No |        |
| Samples Received Intact: | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No             | Thermometer ID:                                                                         | 104057 |
| Cooler Custody Seals:    | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No             | Correction Factor:                                                                      | -0.2   |
| Sample Custody Seals:    | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No             | Temperature Reading:                                                                    | -2.2   |
| Total Containers:        |                                                                                            | Corrected Temperature:                                                                  | -2.0   |

Parameters  
 BTEX  
 TPH  
 Chloride

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | ANALYSIS REQUEST |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------------|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| SB-06 (22-23)         | Soil   | 2/7/25       | 1436         | 22-23 | G         | 1         | X                | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SB-06 (23-24)         |        |              | 1439         | 23-24 | G         | 1         | X                | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SB-06 (24-25)         |        |              | 1442         | 24-25 | G         | 1         | X                | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SB-06 (25-26)         |        |              | 1445         | 25-26 | G         | 1         | X                | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SB-06 (26-27)         |        |              | 1448         | 26-27 | G         | 1         | X                | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SB-06 (27-28)         |        |              | 1451         | 27-28 | G         | 1         | X                | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TB-03                 |        |              |              |       |           | 2         | X                |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |

Sample Comments

Hold  
 Hold  
 Hold  
 Hold  
 Hold  
 Hold  
 Hold

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag Sn Zn  
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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|                              |                          |             |                              |                          |           |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|                              |                          | 2/7/25 1500 |                              |                          |           |
|                              |                          |             |                              |                          |           |
|                              |                          |             |                              |                          |           |



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 890-7652-1

SDG Number: 60743624

Login Number: 7652

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

| Question                                                                         | Answer | Comment                             |
|----------------------------------------------------------------------------------|--------|-------------------------------------|
| The cooler's custody seal, if present, is intact.                                | True   |                                     |
| Sample custody seals, if present, are intact.                                    | True   |                                     |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |                                     |
| Samples were received on ice.                                                    | True   |                                     |
| Cooler Temperature is acceptable.                                                | True   |                                     |
| Cooler Temperature is recorded.                                                  | True   |                                     |
| COC is present                                                                   | True   |                                     |
| COC is filled out in ink and legible.                                            | True   |                                     |
| COC is filled out with all pertinent information                                 | True   |                                     |
| Is the Field Sampler's name present on COC?                                      | True   |                                     |
| There are no discrepancies between the containers received and the COC.          | True   |                                     |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |                                     |
| Sample containers have legible labels.                                           | True   |                                     |
| Containers are not broken or leaking.                                            | True   |                                     |
| Sample collection date/times are provided.                                       | True   |                                     |
| Appropriate sample containers are used.                                          | N/A    | Refer to Job Narrative for details. |
| Sample bottles are completely filled.                                            | True   |                                     |
| Sample Preservation Verified.                                                    | N/A    |                                     |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |                                     |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |                                     |

## Login Sample Receipt Checklist

Client: AECOM

Job Number: 890-7652-1

SDG Number: 60743624

Login Number: 7652

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 02/09/25 10:34 AM

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 2/7/2025 1:36:58 PM Revision 1

## JOB DESCRIPTION

Amoco Fed 11 CTB  
Loving NM

## JOB NUMBER

880-54134-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Generated  
2/7/2025 1:36:58 PM  
Revision 1

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Laboratory Job ID: 880-54134-1  
SDG: Loving NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



**Case Narrative**

Client: AECOM  
Project: Amoco Fed 11 CTB

Job ID: 880-54134-1

**Job ID: 880-54134-1****Eurofins Midland**

**Job Narrative**  
**880-54134-1**

REVISION

The report being provided is a revision of the original report sent on 2/7/2025. The report (revision 1) is being revised due to Per client email, some samples were reported that were needing to be on HOLD. revision needed.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The samples were received on 2/6/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C.

**GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Diesel Range Organics**

Method 8015MOD\_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: SB-11 (0-1) (880-54134-5), SB-10 (0-1) (880-54134-9) and SB-02 (25-26) (880-54134-19). Percent recoveries are based on the amount spiked.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-102165 and analytical batch 880-102154 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: SB-12 (1-2) (880-54134-2), SB-12 (2-3) (880-54134-3), SB-11 (1-2) (880-54134-6), SB-11 (2-3) (880-54134-7), SB-11 (3-4) (880-54134-8), SB-10 (2-3) (880-54134-11), SB-01 (23-24) (880-54134-14), SB-01 (24-25) (880-54134-15), SB-02 (23-24) (880-54134-17), SB-02 (24-25) (880-54134-18) and SB-02 (26-27) (880-54134-20). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

Client Sample ID: SB-12 (0-1)

Lab Sample ID: 880-54134-1

Date Collected: 02/04/25 11:00

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 0-1

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 11:46 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 11:46 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 11:46 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 11:46 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00200 | 0.00159 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 11:46 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 11:46 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 116       |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 11:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 11:46 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg | - |          | 02/06/25 11:46 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.9 | 15.1 | mg/Kg | - |          | 02/06/25 18:23 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U F1      | 49.9 | 14.5 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 18:23 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1  | U F1      | 49.9 | 15.1 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 18:23 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 49.9 | 15.1 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 18:23 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 81        |           | 70 - 130 | 02/06/25 09:42 | 02/06/25 18:23 | 1       |
| o-Terphenyl    | 72        |           | 70 - 130 | 02/06/25 09:42 | 02/06/25 18:23 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 554    |           | 9.96 | 0.393 | mg/Kg | - |          | 02/06/25 12:31 | 1       |

Client Sample ID: SB-12 (1-2)

Lab Sample ID: 880-54134-2

Date Collected: 02/04/25 11:03

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 1-2

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00199 | 0.00139 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 12:07 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 12:07 | 1       |
| Ethylbenzene        | <0.00108 | U         | 0.00199 | 0.00108 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 12:07 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 12:07 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00199 | 0.00158 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 12:07 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 12:07 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 116       |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 12:07 | 1       |

Eurofins Midland

## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

Client Sample ID: SB-12 (1-2)

Lab Sample ID: 880-54134-2

Date Collected: 02/04/25 11:03

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 1-2

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 96        |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 12:07 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg |   |          | 02/06/25 12:07 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 02/06/25 19:11 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.8     | 14.5 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 19:11 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 02/06/25 09:42 | 02/06/25 19:11 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 02/06/25 09:42 | 02/06/25 19:11 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 73        |           | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 19:11 | 1       |
| o-Terphenyl                          | 64        | S1-       | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 19:11 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 222    |           | 10.1 | 0.398 | mg/Kg |   |          | 02/06/25 12:49 | 1       |

Client Sample ID: SB-12 (2-3)

Lab Sample ID: 880-54134-3

Date Collected: 02/04/25 11:06

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 2-3

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00138 | U         | 0.00199 | 0.00138 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 12:27 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 12:27 | 1       |
| Ethylbenzene        | <0.00108 | U         | 0.00199 | 0.00108 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 12:27 | 1       |
| m-Xylene & p-Xylene | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 12:27 | 1       |
| o-Xylene            | <0.00157 | U         | 0.00199 | 0.00157 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 12:27 | 1       |
| Xylenes, Total      | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 12:27 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 115       |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 12:27 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 12:27 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg |   |          | 02/06/25 12:27 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 02/06/25 19:28 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

## Client Sample ID: SB-12 (2-3)

## Lab Sample ID: 880-54134-3

Date Collected: 02/04/25 11:06

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 2-3

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.8     | 14.5 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 19:28 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.8     | 15.1 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 19:28 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 19:28 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 73        |           | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 19:28 | 1       |
| o-Terphenyl                          | 63        | S1-       | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 19:28 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 233    |           | 10.1 | 0.399 | mg/Kg | - |          | 02/06/25 12:55 | 1       |

## Client Sample ID: SB-12 (3-4)

## Lab Sample ID: 880-54134-4

Date Collected: 02/04/25 11:09

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 3-4

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 12:48 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 12:48 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 12:48 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 12:48 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 12:48 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 12:48 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 118       |           | 70 - 130 |         |       |   | 02/06/25 09:09 | 02/06/25 12:48 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |         |       |   | 02/06/25 09:09 | 02/06/25 12:48 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg | - |          | 02/06/25 12:48 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.0  | U         | 49.6 | 15.0 | mg/Kg | - |          | 02/06/25 19:44 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.4     | U         | 49.6     | 14.4 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 19:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.0     | U         | 49.6     | 15.0 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 19:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.0     | U         | 49.6     | 15.0 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 19:44 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 83        |           | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 19:44 | 1       |
| o-Terphenyl                          | 72        |           | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 19:44 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

## Client Sample ID: SB-12 (3-4)

Date Collected: 02/04/25 11:09

Date Received: 02/06/25 08:00

Sample Depth: 3-4

## Lab Sample ID: 880-54134-4

Matrix: Solid

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 394    |           | 9.94 | 0.393 | mg/Kg |   |          | 02/06/25 13:01 | 1       |

## Client Sample ID: SB-11 (0-1)

Date Collected: 02/04/25 11:27

Date Received: 02/06/25 08:00

Sample Depth: 0-1

## Lab Sample ID: 880-54134-5

Matrix: Solid

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00199  | 0.00139 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 13:08 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 13:08 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 13:08 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 13:08 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00199  | 0.00158 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 13:08 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 13:08 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 |         |       |   | 02/06/25 09:09 | 02/06/25 13:08 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 |         |       |   | 02/06/25 09:09 | 02/06/25 13:08 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg |   |          | 02/06/25 13:08 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 1910   |           | 49.8 | 15.1 | mg/Kg |   |          | 02/06/25 20:01 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.8     | 14.5 | mg/Kg |   | 02/06/25 09:42 | 02/06/25 20:01 | 1       |
| Diesel Range Organics (Over C10-C28) | 1910      |           | 49.8     | 15.1 | mg/Kg |   | 02/06/25 09:42 | 02/06/25 20:01 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 02/06/25 09:42 | 02/06/25 20:01 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 69        | S1-       | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 20:01 | 1       |
| o-Terphenyl                          | 69        | S1-       | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 20:01 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 851    |           | 10.0 | 0.396 | mg/Kg |   |          | 02/06/25 13:13 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

Client Sample ID: SB-11 (1-2)

Lab Sample ID: 880-54134-6

Date Collected: 02/04/25 11:30

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 1-2

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00138 | U         | 0.00199 | 0.00138 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 13:28 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 13:28 | 1       |
| Ethylbenzene        | <0.00108 | U         | 0.00199 | 0.00108 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 13:28 | 1       |
| m-Xylene & p-Xylene | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 13:28 | 1       |
| o-Xylene            | <0.00157 | U         | 0.00199 | 0.00157 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 13:28 | 1       |
| Xylenes, Total      | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 13:28 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 119       |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 13:28 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 13:28 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - |          | 02/06/25 13:28 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.0  | U         | 49.6 | 15.0 | mg/Kg | - |          | 02/06/25 20:16 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.4  | U         | 49.6 | 14.4 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 20:16 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.0  | U         | 49.6 | 15.0 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 20:16 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.0  | U         | 49.6 | 15.0 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 20:16 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 74        |           | 70 - 130 | 02/06/25 09:42 | 02/06/25 20:16 | 1       |
| o-Terphenyl    | 67        | S1-       | 70 - 130 | 02/06/25 09:42 | 02/06/25 20:16 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 842    |           | 9.96 | 0.393 | mg/Kg | - |          | 02/06/25 13:31 | 1       |

Client Sample ID: SB-11 (2-3)

Lab Sample ID: 880-54134-7

Date Collected: 02/04/25 11:33

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 2-3

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 13:49 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 13:49 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 13:49 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 13:49 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 13:49 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 13:49 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 13:49 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

Client Sample ID: SB-11 (2-3)

Lab Sample ID: 880-54134-7

Date Collected: 02/04/25 11:33

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 2-3

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 94        |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 13:49 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 02/06/25 13:49 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   |          | 02/06/25 20:33 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 02/06/25 09:42 | 02/06/25 20:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 02/06/25 09:42 | 02/06/25 20:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 02/06/25 09:42 | 02/06/25 20:33 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 72        |           | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 20:33 | 1       |
| o-Terphenyl                          | 64        | S1-       | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 20:33 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 808    |           | 10.0 | 0.395 | mg/Kg |   |          | 02/06/25 13:37 | 1       |

Client Sample ID: SB-11 (3-4)

Lab Sample ID: 880-54134-8

Date Collected: 02/04/25 11:36

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 3-4

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00138 | U         | 0.00198 | 0.00138 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 14:09 | 1       |
| Toluene             | <0.00198 | U         | 0.00198 | 0.00198 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 14:09 | 1       |
| Ethylbenzene        | <0.00108 | U         | 0.00198 | 0.00108 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 14:09 | 1       |
| m-Xylene & p-Xylene | <0.00227 | U         | 0.00397 | 0.00227 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 14:09 | 1       |
| o-Xylene            | <0.00157 | U         | 0.00198 | 0.00157 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 14:09 | 1       |
| Xylenes, Total      | <0.00227 | U         | 0.00397 | 0.00227 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 14:09 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 14:09 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 14:09 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00227 | U         | 0.00397 | 0.00227 | mg/Kg |   |          | 02/06/25 14:09 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   |          | 02/06/25 20:48 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

## Client Sample ID: SB-11 (3-4)

## Lab Sample ID: 880-54134-8

Date Collected: 02/04/25 11:36

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 3-4

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 20:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 50.0     | 15.1 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 20:48 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 50.0     | 15.1 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 20:48 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 76        |           | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 20:48 | 1       |
| o-Terphenyl                          | 68        | S1-       | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 20:48 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1090   |           | 10.1 | 0.398 | mg/Kg | - |          | 02/06/25 13:44 | 1       |

## Client Sample ID: SB-10 (0-1)

## Lab Sample ID: 880-54134-9

Date Collected: 02/04/25 12:00

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 0-1

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 14:30 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 14:30 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 14:30 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 14:30 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 14:30 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 14:30 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 |         |       |   | 02/06/25 09:09 | 02/06/25 14:30 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 |         |       |   | 02/06/25 09:09 | 02/06/25 14:30 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg | - |          | 02/06/25 14:30 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 1350   |           | 49.6 | 15.0 | mg/Kg | - |          | 02/06/25 21:05 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.4     | U         | 49.6     | 14.4 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 21:05 | 1       |
| Diesel Range Organics (Over C10-C28) | 1350      |           | 49.6     | 15.0 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 21:05 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.0     | U         | 49.6     | 15.0 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 21:05 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 138       | S1+       | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 21:05 | 1       |
| o-Terphenyl                          | 132       | S1+       | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 21:05 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

Client Sample ID: SB-10 (0-1)

Lab Sample ID: 880-54134-9

Date Collected: 02/04/25 12:00

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 0-1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 3090   |           | 50.3 | 1.99 | mg/Kg |   |          | 02/06/25 13:50 | 5       |

Client Sample ID: SB-10 (1-2)

Lab Sample ID: 880-54134-10

Date Collected: 02/04/25 12:03

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 1-2

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 14:50 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 14:50 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 14:50 | 1       |
| m-Xylene & p-Xylene         | <0.00229  | U         | 0.00401  | 0.00229 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 14:50 | 1       |
| o-Xylene                    | <0.00159  | U         | 0.00200  | 0.00159 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 14:50 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00401  | 0.00229 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 14:50 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 |         |       |   | 02/06/25 09:09 | 02/06/25 14:50 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |         |       |   | 02/06/25 09:09 | 02/06/25 14:50 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   |          | 02/06/25 14:50 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 1870   |           | 50.0 | 15.1 | mg/Kg |   |          | 02/06/25 21:20 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 02/06/25 09:42 | 02/06/25 21:20 | 1       |
| Diesel Range Organics (Over C10-C28) | 1870      |           | 50.0     | 15.1 | mg/Kg |   | 02/06/25 09:42 | 02/06/25 21:20 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 02/06/25 09:42 | 02/06/25 21:20 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 74        |           | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 21:20 | 1       |
| o-Terphenyl                          | 73        |           | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 21:20 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 3090   |           | 50.5 | 1.99 | mg/Kg |   |          | 02/06/25 13:56 | 5       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

Client Sample ID: SB-10 (2-3)

Lab Sample ID: 880-54134-11

Date Collected: 02/04/25 12:06

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 2-3

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00199 | 0.00139 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 16:13 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 16:13 | 1       |
| Ethylbenzene        | <0.00108 | U         | 0.00199 | 0.00108 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 16:13 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 16:13 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00199 | 0.00158 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 16:13 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 16:13 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 119       |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 16:13 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 16:13 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg | - |          | 02/06/25 16:13 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.9 | 15.1 | mg/Kg | - |          | 02/06/25 21:52 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 49.9 | 14.5 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 21:52 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1  | U         | 49.9 | 15.1 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 21:52 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 49.9 | 15.1 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 21:52 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 74        |           | 70 - 130 | 02/06/25 09:42 | 02/06/25 21:52 | 1       |
| o-Terphenyl    | 66        | S1-       | 70 - 130 | 02/06/25 09:42 | 02/06/25 21:52 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 668    |           | 10.0 | 0.395 | mg/Kg | - |          | 02/06/25 14:02 | 1       |

Client Sample ID: SB-10 (3-4)

Lab Sample ID: 880-54134-12

Date Collected: 02/04/25 12:09

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 3-4

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00138 | U         | 0.00199 | 0.00138 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 16:33 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 16:33 | 1       |
| Ethylbenzene        | <0.00108 | U         | 0.00199 | 0.00108 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 16:33 | 1       |
| m-Xylene & p-Xylene | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 16:33 | 1       |
| o-Xylene            | <0.00157 | U         | 0.00199 | 0.00157 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 16:33 | 1       |
| Xylenes, Total      | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 16:33 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 115       |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 16:33 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

Client Sample ID: SB-10 (3-4)

Lab Sample ID: 880-54134-12

Date Collected: 02/04/25 12:09

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 3-4

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 95        |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 16:33 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg |   |          | 02/06/25 16:33 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 02/06/25 22:07 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.8     | 14.5 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 22:07 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 02/06/25 09:42 | 02/06/25 22:07 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 02/06/25 09:42 | 02/06/25 22:07 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 78        |           | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 22:07 | 1       |
| o-Terphenyl                          | 70        |           | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 22:07 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 954    |           | 10.1 | 0.398 | mg/Kg |   |          | 02/06/25 14:20 | 1       |

Client Sample ID: SB-01 (23-24)

Lab Sample ID: 880-54134-14

Date Collected: 02/05/25 13:20

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 23-24

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 17:14 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 17:14 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 17:14 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 17:14 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00200 | 0.00159 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 17:14 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 17:14 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 116       |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 17:14 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 | 02/06/25 09:09 | 02/06/25 17:14 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   |          | 02/06/25 17:14 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.9 | 15.1 | mg/Kg |   |          | 02/06/25 22:39 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

## Client Sample ID: SB-01 (23-24)

## Lab Sample ID: 880-54134-14

Date Collected: 02/05/25 13:20

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 23-24

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.9     | 14.5 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 22:39 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.9     | 15.1 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 22:39 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.9     | 15.1 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 22:39 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 71        |           | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 22:39 | 1       |
| o-Terphenyl                          | 63        | S1-       | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 22:39 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 235    |           | 10.0 | 0.395 | mg/Kg | - |          | 02/06/25 14:45 | 1       |

## Client Sample ID: SB-02 (23-24)

## Lab Sample ID: 880-54134-17

Date Collected: 02/05/25 14:35

Matrix: Solid

Date Received: 02/06/25 08:00

Sample Depth: 23-24

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 18:15 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 18:15 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 18:15 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 18:15 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 18:15 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg | - | 02/06/25 09:09 | 02/06/25 18:15 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 119       |           | 70 - 130 |         |       |   | 02/06/25 09:09 | 02/06/25 18:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 |         |       |   | 02/06/25 09:09 | 02/06/25 18:15 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg | - |          | 02/06/25 18:15 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg | - |          | 02/06/25 23:27 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.8     | 14.5 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 23:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.8     | 15.1 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 23:27 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg | - | 02/06/25 09:42 | 02/06/25 23:27 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 74        |           | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 23:27 | 1       |
| o-Terphenyl                          | 64        | S1-       | 70 - 130 |      |       |   | 02/06/25 09:42 | 02/06/25 23:27 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

Client Sample ID: SB-02 (23-24)  
Date Collected: 02/05/25 14:35  
Date Received: 02/06/25 08:00  
Sample Depth: 23-24

Lab Sample ID: 880-54134-17  
Matrix: Solid

| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |       |   |          |                |         |
|----------------------------------------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Analyte                                                  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                                 | 399    |           | 9.94 | 0.393 | mg/Kg |   |          | 02/06/25 15:03 | 1       |

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## Surrogate Summary

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | BFB1     | DFBZ1    |
|---------------------|------------------------|----------|----------|
|                     |                        | (70-130) | (70-130) |
| 880-54134-1         | SB-12 (0-1)            | 116      | 94       |
| 880-54134-1 MS      | SB-12 (0-1)            | 103      | 102      |
| 880-54134-1 MSD     | SB-12 (0-1)            | 105      | 107      |
| 880-54134-2         | SB-12 (1-2)            | 116      | 96       |
| 880-54134-3         | SB-12 (2-3)            | 115      | 94       |
| 880-54134-4         | SB-12 (3-4)            | 118      | 95       |
| 880-54134-5         | SB-11 (0-1)            | 114      | 94       |
| 880-54134-6         | SB-11 (1-2)            | 119      | 94       |
| 880-54134-7         | SB-11 (2-3)            | 114      | 94       |
| 880-54134-8         | SB-11 (3-4)            | 117      | 95       |
| 880-54134-9         | SB-10 (0-1)            | 106      | 94       |
| 880-54134-10        | SB-10 (1-2)            | 111      | 95       |
| 880-54134-11        | SB-10 (2-3)            | 119      | 94       |
| 880-54134-12        | SB-10 (3-4)            | 115      | 95       |
| 880-54134-14        | SB-01 (23-24)          | 116      | 94       |
| 880-54134-17        | SB-02 (23-24)          | 119      | 96       |
| LCS 880-102149/1-A  | Lab Control Sample     | 98       | 102      |
| LCSD 880-102149/2-A | Lab Control Sample Dup | 98       | 102      |
| MB 880-102149/5-A   | Method Blank           | 109      | 89       |

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | 1CO1     | OTPH1    |
|---------------------|------------------------|----------|----------|
|                     |                        | (70-130) | (70-130) |
| 880-54134-1         | SB-12 (0-1)            | 81       | 72       |
| 880-54134-1 MS      | SB-12 (0-1)            | 74       | 72       |
| 880-54134-1 MSD     | SB-12 (0-1)            | 74       | 71       |
| 880-54134-2         | SB-12 (1-2)            | 73       | 64 S1-   |
| 880-54134-3         | SB-12 (2-3)            | 73       | 63 S1-   |
| 880-54134-4         | SB-12 (3-4)            | 83       | 72       |
| 880-54134-5         | SB-11 (0-1)            | 69 S1-   | 69 S1-   |
| 880-54134-6         | SB-11 (1-2)            | 74       | 67 S1-   |
| 880-54134-7         | SB-11 (2-3)            | 72       | 64 S1-   |
| 880-54134-8         | SB-11 (3-4)            | 76       | 68 S1-   |
| 880-54134-9         | SB-10 (0-1)            | 138 S1+  | 132 S1+  |
| 880-54134-10        | SB-10 (1-2)            | 74       | 73       |
| 880-54134-11        | SB-10 (2-3)            | 74       | 66 S1-   |
| 880-54134-12        | SB-10 (3-4)            | 78       | 70       |
| 880-54134-14        | SB-01 (23-24)          | 71       | 63 S1-   |
| 880-54134-17        | SB-02 (23-24)          | 74       | 64 S1-   |
| LCS 880-102165/2-A  | Lab Control Sample     | 90       | 77       |
| LCSD 880-102165/3-A | Lab Control Sample Dup | 76       | 77       |
| MB 880-102165/1-A   | Method Blank           | 118      | 112      |

## Surrogate Legend

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Surrogate Summary

Client: AECOM  
Project/Site: Amoco Fed 11 CTB  
1CO = 1-Chlorooctane  
OTPH = o-Terphenyl

Job ID: 880-54134-1  
SDG: Loving NM

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102149/5-A

Matrix: Solid

Analysis Batch: 102137

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102149

| Analyte             | MB Result | MB Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139  | U            | 0.00200 | 0.00139 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 11:25 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 | 0.00200 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 11:25 | 1       |
| Ethylbenzene        | <0.00109  | U            | 0.00200 | 0.00109 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 11:25 | 1       |
| m-Xylene & p-Xylene | <0.00229  | U            | 0.00400 | 0.00229 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 11:25 | 1       |
| o-Xylene            | <0.00158  | U            | 0.00200 | 0.00158 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 11:25 | 1       |
| Xylenes, Total      | <0.00229  | U            | 0.00400 | 0.00229 | mg/Kg |   | 02/06/25 09:09 | 02/06/25 11:25 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109          |              | 70 - 130 | 02/06/25 09:09 | 02/06/25 11:25 | 1       |
| 1,4-Difluorobenzene (Surr)  | 89           |              | 70 - 130 | 02/06/25 09:09 | 02/06/25 11:25 | 1       |

Lab Sample ID: LCS 880-102149/1-A

Matrix: Solid

Analysis Batch: 102137

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102149

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1015     |               | mg/Kg |   | 102  | 70 - 130    |
| Toluene             | 0.100       | 0.1039     |               | mg/Kg |   | 104  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.09495    |               | mg/Kg |   | 95   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1978     |               | mg/Kg |   | 99   | 70 - 130    |
| o-Xylene            | 0.100       | 0.09953    |               | mg/Kg |   | 100  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 98            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102           |               | 70 - 130 |

Lab Sample ID: LCSD 880-102149/2-A

Matrix: Solid

Analysis Batch: 102137

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102149

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.1034      |                | mg/Kg |   | 103  | 70 - 130    | 2   | 35        |
| Toluene             | 0.100       | 0.1053      |                | mg/Kg |   | 105  | 70 - 130    | 1   | 35        |
| Ethylbenzene        | 0.100       | 0.09586     |                | mg/Kg |   | 96   | 70 - 130    | 1   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.1984      |                | mg/Kg |   | 99   | 70 - 130    | 0   | 35        |
| o-Xylene            | 0.100       | 0.1001      |                | mg/Kg |   | 100  | 70 - 130    | 1   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 98             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102            |                | 70 - 130 |

Lab Sample ID: 880-54134-1 MS

Matrix: Solid

Analysis Batch: 102137

Client Sample ID: SB-12 (0-1)

Prep Type: Total/NA

Prep Batch: 102149

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00139      | U                | 0.0998      | 0.09592   |              | mg/Kg |   | 96   | 70 - 130    |
| Toluene | <0.00200      | U                | 0.0998      | 0.09490   |              | mg/Kg |   | 95   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-54134-1 MS

Matrix: Solid

Analysis Batch: 102137

Client Sample ID: SB-12 (0-1)

Prep Type: Total/NA

Prep Batch: 102149

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00109      | U                | 0.0998      | 0.08384   |              | mg/Kg |   | 84   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00229      | U                | 0.200       | 0.1722    |              | mg/Kg |   | 86   | 70 - 130    |
| o-Xylene            | <0.00159      | U                | 0.0998      | 0.08692   |              | mg/Kg |   | 87   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 103          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102          |              | 70 - 130 |

Lab Sample ID: 880-54134-1 MSD

Matrix: Solid

Analysis Batch: 102137

Client Sample ID: SB-12 (0-1)

Prep Type: Total/NA

Prep Batch: 102149

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-------|
| Benzene             | <0.00139      | U                | 0.0996      | 0.09730    |               | mg/Kg |   | 98   | 70 - 130    | 1   | 35    |
| Toluene             | <0.00200      | U                | 0.0996      | 0.09501    |               | mg/Kg |   | 95   | 70 - 130    | 0   | 35    |
| Ethylbenzene        | <0.00109      | U                | 0.0996      | 0.08345    |               | mg/Kg |   | 84   | 70 - 130    | 0   | 35    |
| m-Xylene & p-Xylene | <0.00229      | U                | 0.199       | 0.1716     |               | mg/Kg |   | 86   | 70 - 130    | 0   | 35    |
| o-Xylene            | <0.00159      | U                | 0.0996      | 0.08585    |               | mg/Kg |   | 86   | 70 - 130    | 1   | 35    |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 105           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 107           |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-102165/1-A

Matrix: Solid

Analysis Batch: 102154

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102165

| Analyte                              | MB Result | MB Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U            | 50.0 | 14.5 | mg/Kg |   | 02/06/25 09:41 | 02/06/25 17:35 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U            | 50.0 | 15.1 | mg/Kg |   | 02/06/25 09:41 | 02/06/25 17:35 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U            | 50.0 | 15.1 | mg/Kg |   | 02/06/25 09:41 | 02/06/25 17:35 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 118          |              | 70 - 130 | 02/06/25 09:41 | 02/06/25 17:35 | 1       |
| o-Terphenyl    | 112          |              | 70 - 130 | 02/06/25 09:41 | 02/06/25 17:35 | 1       |

Lab Sample ID: LCS 880-102165/2-A

Matrix: Solid

Analysis Batch: 102154

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102165

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 911.9      |               | mg/Kg |   | 91   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 865.4      |               | mg/Kg |   | 87   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-102165/2-A

Matrix: Solid

Analysis Batch: 102154

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102165

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 90        |           | 70 - 130 |
| o-Terphenyl    | 77        |           | 70 - 130 |

Lab Sample ID: LCSD 880-102165/3-A

Matrix: Solid

Analysis Batch: 102154

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102165

| Analyte                                 |           |           | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-----------------------------------------|-----------|-----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 |           |           | 1000           | 769.1          |                   | mg/Kg |   | 77   | 70 - 130       | 17  | 20           |
| Diesel Range Organics (Over<br>C10-C28) |           |           | 1000           | 762.3          |                   | mg/Kg |   | 76   | 70 - 130       | 13  | 20           |
| Surrogate                               |           | LCSD      | LCSD           |                |                   |       |   |      |                |     |              |
|                                         | %Recovery | Qualifier | Limits         |                |                   |       |   |      |                |     |              |
| 1-Chlorooctane                          | 76        |           | 70 - 130       |                |                   |       |   |      |                |     |              |
| o-Terphenyl                             | 77        |           | 70 - 130       |                |                   |       |   |      |                |     |              |

Lab Sample ID: 880-54134-1 MS

Matrix: Solid

Analysis Batch: 102154

Client Sample ID: SB-12 (0-1)

Prep Type: Total/NA

Prep Batch: 102165

| Analyte                                 | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |  |  |
|-----------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|--|--|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5            | U F1                | 994            | 556.7        | F1              | mg/Kg |   | 56   | 70 - 130       |  |  |
| Diesel Range Organics (Over<br>C10-C28) | <15.1            | U F1                | 994            | 590.9        | F1              | mg/Kg |   | 59   | 70 - 130       |  |  |
| Surrogate                               |                  | MS                  | MS             |              |                 |       |   |      |                |  |  |
|                                         | %Recovery        | Qualifier           | Limits         |              |                 |       |   |      |                |  |  |
| 1-Chlorooctane                          | 74               |                     | 70 - 130       |              |                 |       |   |      |                |  |  |
| o-Terphenyl                             | 72               |                     | 70 - 130       |              |                 |       |   |      |                |  |  |

Lab Sample ID: 880-54134-1 MSD

Matrix: Solid

Analysis Batch: 102154

Client Sample ID: SB-12 (0-1)

Prep Type: Total/NA

Prep Batch: 102165

| Analyte                                 | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|-----------------------------------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics<br>(GRO)-C6-C10 | <14.5            | U F1                | 995            | 575.1         | F1               | mg/Kg |   | 58   | 70 - 130       | 3   | 20           |
| Diesel Range Organics (Over<br>C10-C28) | <15.1            | U F1                | 995            | 586.2         | F1               | mg/Kg |   | 59   | 70 - 130       | 1   | 20           |
| Surrogate                               |                  | MSD                 | MSD            |               |                  |       |   |      |                |     |              |
|                                         | %Recovery        | Qualifier           | Limits         |               |                  |       |   |      |                |     |              |
| 1-Chlorooctane                          | 74               |                     | 70 - 130       |               |                  |       |   |      |                |     |              |
| o-Terphenyl                             | 71               |                     | 70 - 130       |               |                  |       |   |      |                |     |              |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102159/1-A

Matrix: Solid

Analysis Batch: 102168

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395       | U               | 10.0 | 0.395 | mg/Kg |   |          | 02/06/25 12:12 | 1       |

Lab Sample ID: LCS 880-102159/2-A

Matrix: Solid

Analysis Batch: 102168

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 263.8         |                  | mg/Kg |   | 106  | 90 - 110       |

Lab Sample ID: LCSD 880-102159/3-A

Matrix: Solid

Analysis Batch: 102168

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 264.1          |                   | mg/Kg |   | 106  | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-54134-1 MS

Matrix: Solid

Analysis Batch: 102168

Client Sample ID: SB-12 (0-1)

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 554              |                     | 249            | 816.0        |                 | mg/Kg |   | 105  | 90 - 110       |

Lab Sample ID: 880-54134-1 MSD

Matrix: Solid

Analysis Batch: 102168

Client Sample ID: SB-12 (0-1)

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 554              |                     | 249            | 816.4         |                  | mg/Kg |   | 105  | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-54134-11 MS

Matrix: Solid

Analysis Batch: 102168

Client Sample ID: SB-10 (2-3)

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 668              |                     | 250            | 915.4        |                 | mg/Kg |   | 99   | 90 - 110       |

Lab Sample ID: 880-54134-11 MSD

Matrix: Solid

Analysis Batch: 102168

Client Sample ID: SB-10 (2-3)

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 668              |                     | 250            | 912.2         |                  | mg/Kg |   | 98   | 90 - 110       | 0   | 20           |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

## GC VOA

## Analysis Batch: 102137

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-54134-1         | SB-12 (0-1)            | Total/NA  | Solid  | 8021B  | 102149     |
| 880-54134-2         | SB-12 (1-2)            | Total/NA  | Solid  | 8021B  | 102149     |
| 880-54134-3         | SB-12 (2-3)            | Total/NA  | Solid  | 8021B  | 102149     |
| 880-54134-4         | SB-12 (3-4)            | Total/NA  | Solid  | 8021B  | 102149     |
| 880-54134-5         | SB-11 (0-1)            | Total/NA  | Solid  | 8021B  | 102149     |
| 880-54134-6         | SB-11 (1-2)            | Total/NA  | Solid  | 8021B  | 102149     |
| 880-54134-7         | SB-11 (2-3)            | Total/NA  | Solid  | 8021B  | 102149     |
| 880-54134-8         | SB-11 (3-4)            | Total/NA  | Solid  | 8021B  | 102149     |
| 880-54134-9         | SB-10 (0-1)            | Total/NA  | Solid  | 8021B  | 102149     |
| 880-54134-10        | SB-10 (1-2)            | Total/NA  | Solid  | 8021B  | 102149     |
| 880-54134-11        | SB-10 (2-3)            | Total/NA  | Solid  | 8021B  | 102149     |
| 880-54134-12        | SB-10 (3-4)            | Total/NA  | Solid  | 8021B  | 102149     |
| 880-54134-14        | SB-01 (23-24)          | Total/NA  | Solid  | 8021B  | 102149     |
| 880-54134-17        | SB-02 (23-24)          | Total/NA  | Solid  | 8021B  | 102149     |
| MB 880-102149/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 102149     |
| LCS 880-102149/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 102149     |
| LCSD 880-102149/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 102149     |
| 880-54134-1 MS      | SB-12 (0-1)            | Total/NA  | Solid  | 8021B  | 102149     |
| 880-54134-1 MSD     | SB-12 (0-1)            | Total/NA  | Solid  | 8021B  | 102149     |

## Prep Batch: 102149

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-54134-1         | SB-12 (0-1)            | Total/NA  | Solid  | 5035   |            |
| 880-54134-2         | SB-12 (1-2)            | Total/NA  | Solid  | 5035   |            |
| 880-54134-3         | SB-12 (2-3)            | Total/NA  | Solid  | 5035   |            |
| 880-54134-4         | SB-12 (3-4)            | Total/NA  | Solid  | 5035   |            |
| 880-54134-5         | SB-11 (0-1)            | Total/NA  | Solid  | 5035   |            |
| 880-54134-6         | SB-11 (1-2)            | Total/NA  | Solid  | 5035   |            |
| 880-54134-7         | SB-11 (2-3)            | Total/NA  | Solid  | 5035   |            |
| 880-54134-8         | SB-11 (3-4)            | Total/NA  | Solid  | 5035   |            |
| 880-54134-9         | SB-10 (0-1)            | Total/NA  | Solid  | 5035   |            |
| 880-54134-10        | SB-10 (1-2)            | Total/NA  | Solid  | 5035   |            |
| 880-54134-11        | SB-10 (2-3)            | Total/NA  | Solid  | 5035   |            |
| 880-54134-12        | SB-10 (3-4)            | Total/NA  | Solid  | 5035   |            |
| 880-54134-14        | SB-01 (23-24)          | Total/NA  | Solid  | 5035   |            |
| 880-54134-17        | SB-02 (23-24)          | Total/NA  | Solid  | 5035   |            |
| MB 880-102149/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-102149/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-102149/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-54134-1 MS      | SB-12 (0-1)            | Total/NA  | Solid  | 5035   |            |
| 880-54134-1 MSD     | SB-12 (0-1)            | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 102291

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-54134-1   | SB-12 (0-1)      | Total/NA  | Solid  | Total BTEX |            |
| 880-54134-2   | SB-12 (1-2)      | Total/NA  | Solid  | Total BTEX |            |
| 880-54134-3   | SB-12 (2-3)      | Total/NA  | Solid  | Total BTEX |            |
| 880-54134-4   | SB-12 (3-4)      | Total/NA  | Solid  | Total BTEX |            |
| 880-54134-5   | SB-11 (0-1)      | Total/NA  | Solid  | Total BTEX |            |
| 880-54134-6   | SB-11 (1-2)      | Total/NA  | Solid  | Total BTEX |            |
| 880-54134-7   | SB-11 (2-3)      | Total/NA  | Solid  | Total BTEX |            |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

## GC VOA (Continued)

## Analysis Batch: 102291 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-54134-8   | SB-11 (3-4)      | Total/NA  | Solid  | Total BTEX |            |
| 880-54134-9   | SB-10 (0-1)      | Total/NA  | Solid  | Total BTEX |            |
| 880-54134-10  | SB-10 (1-2)      | Total/NA  | Solid  | Total BTEX |            |
| 880-54134-11  | SB-10 (2-3)      | Total/NA  | Solid  | Total BTEX |            |
| 880-54134-12  | SB-10 (3-4)      | Total/NA  | Solid  | Total BTEX |            |
| 880-54134-14  | SB-01 (23-24)    | Total/NA  | Solid  | Total BTEX |            |
| 880-54134-17  | SB-02 (23-24)    | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 102154

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-54134-1         | SB-12 (0-1)            | Total/NA  | Solid  | 8015B NM | 102165     |
| 880-54134-2         | SB-12 (1-2)            | Total/NA  | Solid  | 8015B NM | 102165     |
| 880-54134-3         | SB-12 (2-3)            | Total/NA  | Solid  | 8015B NM | 102165     |
| 880-54134-4         | SB-12 (3-4)            | Total/NA  | Solid  | 8015B NM | 102165     |
| 880-54134-5         | SB-11 (0-1)            | Total/NA  | Solid  | 8015B NM | 102165     |
| 880-54134-6         | SB-11 (1-2)            | Total/NA  | Solid  | 8015B NM | 102165     |
| 880-54134-7         | SB-11 (2-3)            | Total/NA  | Solid  | 8015B NM | 102165     |
| 880-54134-8         | SB-11 (3-4)            | Total/NA  | Solid  | 8015B NM | 102165     |
| 880-54134-9         | SB-10 (0-1)            | Total/NA  | Solid  | 8015B NM | 102165     |
| 880-54134-10        | SB-10 (1-2)            | Total/NA  | Solid  | 8015B NM | 102165     |
| 880-54134-11        | SB-10 (2-3)            | Total/NA  | Solid  | 8015B NM | 102165     |
| 880-54134-12        | SB-10 (3-4)            | Total/NA  | Solid  | 8015B NM | 102165     |
| 880-54134-14        | SB-01 (23-24)          | Total/NA  | Solid  | 8015B NM | 102165     |
| 880-54134-17        | SB-02 (23-24)          | Total/NA  | Solid  | 8015B NM | 102165     |
| MB 880-102165/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 102165     |
| LCS 880-102165/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 102165     |
| LCSD 880-102165/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 102165     |
| 880-54134-1 MS      | SB-12 (0-1)            | Total/NA  | Solid  | 8015B NM | 102165     |
| 880-54134-1 MSD     | SB-12 (0-1)            | Total/NA  | Solid  | 8015B NM | 102165     |

## Prep Batch: 102165

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-54134-1         | SB-12 (0-1)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54134-2         | SB-12 (1-2)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54134-3         | SB-12 (2-3)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54134-4         | SB-12 (3-4)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54134-5         | SB-11 (0-1)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54134-6         | SB-11 (1-2)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54134-7         | SB-11 (2-3)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54134-8         | SB-11 (3-4)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54134-9         | SB-10 (0-1)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54134-10        | SB-10 (1-2)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54134-11        | SB-10 (2-3)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54134-12        | SB-10 (3-4)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54134-14        | SB-01 (23-24)          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54134-17        | SB-02 (23-24)          | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-102165/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-102165/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-102165/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

## GC Semi VOA (Continued)

## Prep Batch: 102165 (Continued)

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|-----------------|------------------|-----------|--------|-------------|------------|
| 880-54134-1 MS  | SB-12 (0-1)      | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54134-1 MSD | SB-12 (0-1)      | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 102282

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-54134-1   | SB-12 (0-1)      | Total/NA  | Solid  | 8015 NM |            |
| 880-54134-2   | SB-12 (1-2)      | Total/NA  | Solid  | 8015 NM |            |
| 880-54134-3   | SB-12 (2-3)      | Total/NA  | Solid  | 8015 NM |            |
| 880-54134-4   | SB-12 (3-4)      | Total/NA  | Solid  | 8015 NM |            |
| 880-54134-5   | SB-11 (0-1)      | Total/NA  | Solid  | 8015 NM |            |
| 880-54134-6   | SB-11 (1-2)      | Total/NA  | Solid  | 8015 NM |            |
| 880-54134-7   | SB-11 (2-3)      | Total/NA  | Solid  | 8015 NM |            |
| 880-54134-8   | SB-11 (3-4)      | Total/NA  | Solid  | 8015 NM |            |
| 880-54134-9   | SB-10 (0-1)      | Total/NA  | Solid  | 8015 NM |            |
| 880-54134-10  | SB-10 (1-2)      | Total/NA  | Solid  | 8015 NM |            |
| 880-54134-11  | SB-10 (2-3)      | Total/NA  | Solid  | 8015 NM |            |
| 880-54134-12  | SB-10 (3-4)      | Total/NA  | Solid  | 8015 NM |            |
| 880-54134-14  | SB-01 (23-24)    | Total/NA  | Solid  | 8015 NM |            |
| 880-54134-17  | SB-02 (23-24)    | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 102159

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-54134-1         | SB-12 (0-1)            | Soluble   | Solid  | DI Leach |            |
| 880-54134-2         | SB-12 (1-2)            | Soluble   | Solid  | DI Leach |            |
| 880-54134-3         | SB-12 (2-3)            | Soluble   | Solid  | DI Leach |            |
| 880-54134-4         | SB-12 (3-4)            | Soluble   | Solid  | DI Leach |            |
| 880-54134-5         | SB-11 (0-1)            | Soluble   | Solid  | DI Leach |            |
| 880-54134-6         | SB-11 (1-2)            | Soluble   | Solid  | DI Leach |            |
| 880-54134-7         | SB-11 (2-3)            | Soluble   | Solid  | DI Leach |            |
| 880-54134-8         | SB-11 (3-4)            | Soluble   | Solid  | DI Leach |            |
| 880-54134-9         | SB-10 (0-1)            | Soluble   | Solid  | DI Leach |            |
| 880-54134-10        | SB-10 (1-2)            | Soluble   | Solid  | DI Leach |            |
| 880-54134-11        | SB-10 (2-3)            | Soluble   | Solid  | DI Leach |            |
| 880-54134-12        | SB-10 (3-4)            | Soluble   | Solid  | DI Leach |            |
| 880-54134-14        | SB-01 (23-24)          | Soluble   | Solid  | DI Leach |            |
| 880-54134-17        | SB-02 (23-24)          | Soluble   | Solid  | DI Leach |            |
| MB 880-102159/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-102159/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-102159/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-54134-1 MS      | SB-12 (0-1)            | Soluble   | Solid  | DI Leach |            |
| 880-54134-1 MSD     | SB-12 (0-1)            | Soluble   | Solid  | DI Leach |            |
| 880-54134-11 MS     | SB-10 (2-3)            | Soluble   | Solid  | DI Leach |            |
| 880-54134-11 MSD    | SB-10 (2-3)            | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 102168

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-54134-1   | SB-12 (0-1)      | Soluble   | Solid  | 300.0  | 102159     |
| 880-54134-2   | SB-12 (1-2)      | Soluble   | Solid  | 300.0  | 102159     |
| 880-54134-3   | SB-12 (2-3)      | Soluble   | Solid  | 300.0  | 102159     |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

## HPLC/IC (Continued)

## Analysis Batch: 102168 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-54134-4         | SB-12 (3-4)            | Soluble   | Solid  | 300.0  | 102159     |
| 880-54134-5         | SB-11 (0-1)            | Soluble   | Solid  | 300.0  | 102159     |
| 880-54134-6         | SB-11 (1-2)            | Soluble   | Solid  | 300.0  | 102159     |
| 880-54134-7         | SB-11 (2-3)            | Soluble   | Solid  | 300.0  | 102159     |
| 880-54134-8         | SB-11 (3-4)            | Soluble   | Solid  | 300.0  | 102159     |
| 880-54134-9         | SB-10 (0-1)            | Soluble   | Solid  | 300.0  | 102159     |
| 880-54134-10        | SB-10 (1-2)            | Soluble   | Solid  | 300.0  | 102159     |
| 880-54134-11        | SB-10 (2-3)            | Soluble   | Solid  | 300.0  | 102159     |
| 880-54134-12        | SB-10 (3-4)            | Soluble   | Solid  | 300.0  | 102159     |
| 880-54134-14        | SB-01 (23-24)          | Soluble   | Solid  | 300.0  | 102159     |
| 880-54134-17        | SB-02 (23-24)          | Soluble   | Solid  | 300.0  | 102159     |
| MB 880-102159/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 102159     |
| LCS 880-102159/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 102159     |
| LCSD 880-102159/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 102159     |
| 880-54134-1 MS      | SB-12 (0-1)            | Soluble   | Solid  | 300.0  | 102159     |
| 880-54134-1 MSD     | SB-12 (0-1)            | Soluble   | Solid  | 300.0  | 102159     |
| 880-54134-11 MS     | SB-10 (2-3)            | Soluble   | Solid  | 300.0  | 102159     |
| 880-54134-11 MSD    | SB-10 (2-3)            | Soluble   | Solid  | 300.0  | 102159     |

## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

**Client Sample ID: SB-12 (0-1)****Lab Sample ID: 880-54134-1****Date Collected: 02/04/25 11:00****Matrix: Solid****Date Received: 02/06/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 102149       | 02/06/25 09:09       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102137       | 02/06/25 11:46       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102291       | 02/06/25 11:46       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102282       | 02/06/25 18:23       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 102165       | 02/06/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102154       | 02/06/25 18:23       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 102159       | 02/06/25 09:34       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102168       | 02/06/25 12:31       | SMC     | EET MID |

**Client Sample ID: SB-12 (1-2)****Lab Sample ID: 880-54134-2****Date Collected: 02/04/25 11:03****Matrix: Solid****Date Received: 02/06/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 102149       | 02/06/25 09:09       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102137       | 02/06/25 12:07       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102291       | 02/06/25 12:07       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102282       | 02/06/25 19:11       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 102165       | 02/06/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102154       | 02/06/25 19:11       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 102159       | 02/06/25 09:34       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102168       | 02/06/25 12:49       | SMC     | EET MID |

**Client Sample ID: SB-12 (2-3)****Lab Sample ID: 880-54134-3****Date Collected: 02/04/25 11:06****Matrix: Solid****Date Received: 02/06/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 102149       | 02/06/25 09:09       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102137       | 02/06/25 12:27       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102291       | 02/06/25 12:27       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102282       | 02/06/25 19:28       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 102165       | 02/06/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102154       | 02/06/25 19:28       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 102159       | 02/06/25 09:34       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102168       | 02/06/25 12:55       | SMC     | EET MID |

**Client Sample ID: SB-12 (3-4)****Lab Sample ID: 880-54134-4****Date Collected: 02/04/25 11:09****Matrix: Solid****Date Received: 02/06/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 102149       | 02/06/25 09:09       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102137       | 02/06/25 12:48       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102291       | 02/06/25 12:48       | AJ      | EET MID |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

**Client Sample ID: SB-12 (3-4)****Lab Sample ID: 880-54134-4****Date Collected: 02/04/25 11:09****Matrix: Solid****Date Received: 02/06/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102282       | 02/06/25 19:44       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.08 g        | 10 mL        | 102165       | 02/06/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102154       | 02/06/25 19:44       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 102159       | 02/06/25 09:34       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102168       | 02/06/25 13:01       | SMC     | EET MID |

**Client Sample ID: SB-11 (0-1)****Lab Sample ID: 880-54134-5****Date Collected: 02/04/25 11:27****Matrix: Solid****Date Received: 02/06/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 102149       | 02/06/25 09:09       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102137       | 02/06/25 13:08       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102291       | 02/06/25 13:08       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102282       | 02/06/25 20:01       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 102165       | 02/06/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102154       | 02/06/25 20:01       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 102159       | 02/06/25 09:34       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102168       | 02/06/25 13:13       | SMC     | EET MID |

**Client Sample ID: SB-11 (1-2)****Lab Sample ID: 880-54134-6****Date Collected: 02/04/25 11:30****Matrix: Solid****Date Received: 02/06/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 102149       | 02/06/25 09:09       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102137       | 02/06/25 13:28       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102291       | 02/06/25 13:28       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102282       | 02/06/25 20:16       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.09 g        | 10 mL        | 102165       | 02/06/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102154       | 02/06/25 20:16       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 102159       | 02/06/25 09:34       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102168       | 02/06/25 13:31       | SMC     | EET MID |

**Client Sample ID: SB-11 (2-3)****Lab Sample ID: 880-54134-7****Date Collected: 02/04/25 11:33****Matrix: Solid****Date Received: 02/06/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 102149       | 02/06/25 09:09       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102137       | 02/06/25 13:49       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102291       | 02/06/25 13:49       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102282       | 02/06/25 20:33       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 102165       | 02/06/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102154       | 02/06/25 20:33       | TKC     | EET MID |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

**Client Sample ID: SB-11 (2-3)****Lab Sample ID: 880-54134-7****Date Collected: 02/04/25 11:33****Matrix: Solid****Date Received: 02/06/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 102159       | 02/06/25 09:34       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102168       | 02/06/25 13:37       | SMC     | EET MID |

**Client Sample ID: SB-11 (3-4)****Lab Sample ID: 880-54134-8****Date Collected: 02/04/25 11:36****Matrix: Solid****Date Received: 02/06/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5 mL         | 102149       | 02/06/25 09:09       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102137       | 02/06/25 14:09       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102291       | 02/06/25 14:09       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102282       | 02/06/25 20:48       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 102165       | 02/06/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102154       | 02/06/25 20:48       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 102159       | 02/06/25 09:34       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102168       | 02/06/25 13:44       | SMC     | EET MID |

**Client Sample ID: SB-10 (0-1)****Lab Sample ID: 880-54134-9****Date Collected: 02/04/25 12:00****Matrix: Solid****Date Received: 02/06/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 102149       | 02/06/25 09:09       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102137       | 02/06/25 14:30       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102291       | 02/06/25 14:30       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102282       | 02/06/25 21:05       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.08 g        | 10 mL        | 102165       | 02/06/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102154       | 02/06/25 21:05       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 102159       | 02/06/25 09:34       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 102168       | 02/06/25 13:50       | SMC     | EET MID |

**Client Sample ID: SB-10 (1-2)****Lab Sample ID: 880-54134-10****Date Collected: 02/04/25 12:03****Matrix: Solid****Date Received: 02/06/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 102149       | 02/06/25 09:09       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102137       | 02/06/25 14:50       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102291       | 02/06/25 14:50       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102282       | 02/06/25 21:20       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 102165       | 02/06/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102154       | 02/06/25 21:20       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 102159       | 02/06/25 09:34       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 102168       | 02/06/25 13:56       | SMC     | EET MID |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

**Client Sample ID: SB-10 (2-3)****Lab Sample ID: 880-54134-11****Date Collected: 02/04/25 12:06****Matrix: Solid****Date Received: 02/06/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 102149       | 02/06/25 09:09       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102137       | 02/06/25 16:13       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102291       | 02/06/25 16:13       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102282       | 02/06/25 21:52       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 102165       | 02/06/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102154       | 02/06/25 21:52       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 102159       | 02/06/25 09:34       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102168       | 02/06/25 14:02       | SMC     | EET MID |

**Client Sample ID: SB-10 (3-4)****Lab Sample ID: 880-54134-12****Date Collected: 02/04/25 12:09****Matrix: Solid****Date Received: 02/06/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 102149       | 02/06/25 09:09       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102137       | 02/06/25 16:33       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102291       | 02/06/25 16:33       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102282       | 02/06/25 22:07       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 102165       | 02/06/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102154       | 02/06/25 22:07       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 102159       | 02/06/25 09:34       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102168       | 02/06/25 14:20       | SMC     | EET MID |

**Client Sample ID: SB-01 (23-24)****Lab Sample ID: 880-54134-14****Date Collected: 02/05/25 13:20****Matrix: Solid****Date Received: 02/06/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 102149       | 02/06/25 09:09       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102137       | 02/06/25 17:14       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102291       | 02/06/25 17:14       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102282       | 02/06/25 22:39       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 102165       | 02/06/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102154       | 02/06/25 22:39       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 102159       | 02/06/25 09:34       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102168       | 02/06/25 14:45       | SMC     | EET MID |

**Client Sample ID: SB-02 (23-24)****Lab Sample ID: 880-54134-17****Date Collected: 02/05/25 14:35****Matrix: Solid****Date Received: 02/06/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 102149       | 02/06/25 09:09       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102137       | 02/06/25 18:15       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102291       | 02/06/25 18:15       | AJ      | EET MID |

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Lab Chronicle

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

Client Sample ID: SB-02 (23-24)  
Date Collected: 02/05/25 14:35  
Date Received: 02/06/25 08:00

Lab Sample ID: 880-54134-17  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102282       | 02/06/25 23:27       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 102165       | 02/06/25 09:42       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102154       | 02/06/25 23:27       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 102159       | 02/06/25 09:34       | SI      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102168       | 02/06/25 15:03       | SMC     | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |

Method Summary

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: AECOM  
Project/Site: Amoco Fed 11 CTB

Job ID: 880-54134-1  
SDG: Loving NM

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-54134-1   | SB-12 (0-1)      | Solid  | 02/04/25 11:00 | 02/06/25 08:00 | 0-1   |
| 880-54134-2   | SB-12 (1-2)      | Solid  | 02/04/25 11:03 | 02/06/25 08:00 | 1-2   |
| 880-54134-3   | SB-12 (2-3)      | Solid  | 02/04/25 11:06 | 02/06/25 08:00 | 2-3   |
| 880-54134-4   | SB-12 (3-4)      | Solid  | 02/04/25 11:09 | 02/06/25 08:00 | 3-4   |
| 880-54134-5   | SB-11 (0-1)      | Solid  | 02/04/25 11:27 | 02/06/25 08:00 | 0-1   |
| 880-54134-6   | SB-11 (1-2)      | Solid  | 02/04/25 11:30 | 02/06/25 08:00 | 1-2   |
| 880-54134-7   | SB-11 (2-3)      | Solid  | 02/04/25 11:33 | 02/06/25 08:00 | 2-3   |
| 880-54134-8   | SB-11 (3-4)      | Solid  | 02/04/25 11:36 | 02/06/25 08:00 | 3-4   |
| 880-54134-9   | SB-10 (0-1)      | Solid  | 02/04/25 12:00 | 02/06/25 08:00 | 0-1   |
| 880-54134-10  | SB-10 (1-2)      | Solid  | 02/04/25 12:03 | 02/06/25 08:00 | 1-2   |
| 880-54134-11  | SB-10 (2-3)      | Solid  | 02/04/25 12:06 | 02/06/25 08:00 | 2-3   |
| 880-54134-12  | SB-10 (3-4)      | Solid  | 02/04/25 12:09 | 02/06/25 08:00 | 3-4   |
| 880-54134-14  | SB-01 (23-24)    | Solid  | 02/05/25 13:20 | 02/06/25 08:00 | 23-24 |
| 880-54134-17  | SB-02 (23-24)    | Solid  | 02/05/25 14:35 | 02/06/25 08:00 | 23-24 |

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## Environment Testing

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 784-1286  
Hobbs, NM (575) 382-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5080



880-54134 Chain of Custody

Work

Page 1 of 2

|                                          |  |                                      |  |
|------------------------------------------|--|--------------------------------------|--|
| Project Manager: <u>Brad Wyne</u>        |  | Bill to: (if different)              |  |
| Company Name: <u>AECom</u>               |  | Company Name:                        |  |
| Address: <u>13355 Noel Rd. Suite 400</u> |  | Address:                             |  |
| City, State ZIP: <u>Dallas, TX 75240</u> |  | City, State ZIP:                     |  |
| Phone: <u>214-971-1829</u>               |  | Email: <u>Bradley.Wyne@AECom.com</u> |  |

|                                        |  |                                                                           |  |
|----------------------------------------|--|---------------------------------------------------------------------------|--|
| Project Name: <u>Ameco Fed. 11 CTB</u> |  | Turn Around                                                               |  |
| Project Number: <u>60743624</u>        |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |
| Project Location: <u>Loving, NM</u>    |  | Due Date: <u>3 Day</u>                                                    |  |
| Sampler's Name: <u>James Lovely</u>    |  | TAT starts the day received by the lab, if received by 4:30pm             |  |
| PO #:                                  |  |                                                                           |  |

|                                                                                              |  |                                                                                 |  |                                                                              |  |
|----------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------|--|------------------------------------------------------------------------------|--|
| SAMPLE RECEIPT                                                                               |  | Tamp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  |
| Samples Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Thermometer ID: <u>175</u>                                                      |  |                                                                              |  |
| Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>    |  | Correction Factor: <u>1.0</u>                                                   |  |                                                                              |  |
| Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>    |  | Temperature Reading: <u>25.5</u>                                                |  |                                                                              |  |
| Total Containers:                                                                            |  | Corrected Temperature:                                                          |  |                                                                              |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | B7D | 7P | C7H |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-----|----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-----|----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|                                              |                         |                                                |                                                                                               |
|----------------------------------------------|-------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020:           | 8RCRA 13PPM Texas 11                           | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA | Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245.1 / 7470 / 7471                                                                |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$5.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time          | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------------|------------------------------|--------------------------|-----------|
| <u>James Lovely</u>          | <u>Bradley Wyne</u>      | <u>2/5/25 1500</u> |                              |                          |           |
|                              |                          |                    |                              |                          |           |
|                              |                          |                    |                              |                          |           |
|                              |                          |                    |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2



## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3198  
Little Rock, AR (501) 224-5060

## Environment Testing

Work Order No: \_\_\_\_\_

Page 2 of 2

|                                          |  |                                    |  |                                                                                                                                                                                  |  |
|------------------------------------------|--|------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Project Manager: <b>Bred Wynne</b>       |  | Bill to: (if different)            |  | Work Order Comments                                                                                                                                                              |  |
| Company Name: <b>AEcom</b>               |  | Company Name:                      |  | Program: <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>              |  |
| Address: <b>13355 Noel Rd suite 400</b>  |  | Address:                           |  | State of Project:                                                                                                                                                                |  |
| City, State ZIP: <b>Dallas, TX 75240</b> |  | City, State ZIP:                   |  | Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Phone: <b>214-971-1829</b>               |  | Email: <b>Bred.Wynne@AEcom.com</b> |  | Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:                                                                                                 |  |

| SAMPLE RECEIPT                        |  | Temp Blank:                         |  | Yes                                 |  | No                                       |  | Wet Ice:               |  | Yes                                                           |  | No |  | Thermometer ID: |  | Cooler Custody Seals: |  | Yes |  | No |  | N/A |  | Temperature Reading: |  | Corrected Temperature: |  | Total Containers: |  |
|---------------------------------------|--|-------------------------------------|--|-------------------------------------|--|------------------------------------------|--|------------------------|--|---------------------------------------------------------------|--|----|--|-----------------|--|-----------------------|--|-----|--|----|--|-----|--|----------------------|--|------------------------|--|-------------------|--|
| Project Name: <b>Amco Fed. 11 CTB</b> |  | Turn Around                         |  | <input type="checkbox"/> Routine    |  | <input checked="" type="checkbox"/> Rush |  | Due Date: <b>3 Day</b> |  | TAT starts the day received by the lab, if received by 4:30pm |  |    |  |                 |  |                       |  |     |  |    |  |     |  |                      |  |                        |  |                   |  |
| Project Number: <b>60743624</b>       |  | Project Location: <b>Living, NM</b> |  | Sampler's Name: <b>James Lowery</b> |  | PO #:                                    |  |                        |  |                                                               |  |    |  |                 |  |                       |  |     |  |    |  |     |  |                      |  |                        |  |                   |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters |    | Pres. Code | ANALYSIS REQUEST |    |                            |            |          |         |                  |                                                 |          |                                     |                            |                                                                   |                     |                          |  |  | Preservative Codes |  | Sample Comments |  |  |  |  |  |  |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------|----|------------|------------------|----|----------------------------|------------|----------|---------|------------------|-------------------------------------------------|----------|-------------------------------------|----------------------------|-------------------------------------------------------------------|---------------------|--------------------------|--|--|--------------------|--|-----------------|--|--|--|--|--|--|
|                       |        |              |              |       |           |           | Yes        | No |            | None             | NO | DI Water: H <sub>2</sub> O | Cool: Cool | MeOH: Me | HCL: HC | HNO <sub>3</sub> | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> | NaOH: Na | H <sub>3</sub> PO <sub>4</sub> : HP | NaHSO <sub>4</sub> : NABIS | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> | Zn Acetate+NaOH: Zn | NaOH+Ascorbic Acid: SAPC |  |  |                    |  |                 |  |  |  |  |  |  |
| SB-10 (2-3)           | Soil   | 2/4/25       | 1206         | 2-3   | G         | 1         |            |    |            |                  |    |                            |            |          |         |                  |                                                 |          |                                     |                            |                                                                   |                     |                          |  |  |                    |  |                 |  |  |  |  |  |  |
| SB-10 (3-4)           | Soil   | 2/4/25       | 1209         | 3-4   | G         | 1         |            |    |            |                  |    |                            |            |          |         |                  |                                                 |          |                                     |                            |                                                                   |                     |                          |  |  |                    |  |                 |  |  |  |  |  |  |
| SB-01 (22-23)         | Soil   | 2/5/25       | 1315         | 22-23 | G         | 1         |            |    |            |                  |    |                            |            |          |         |                  |                                                 |          |                                     |                            |                                                                   |                     |                          |  |  |                    |  |                 |  |  |  |  |  |  |
| SB-01 (23-24)         | Soil   | 2/5/25       | 1320         | 23-24 | G         | 1         |            |    |            |                  |    |                            |            |          |         |                  |                                                 |          |                                     |                            |                                                                   |                     |                          |  |  |                    |  |                 |  |  |  |  |  |  |
| SB-01 (24-25)         | Soil   | 2/5/25       | 1325         | 24-25 | G         | 1         |            |    |            |                  |    |                            |            |          |         |                  |                                                 |          |                                     |                            |                                                                   |                     |                          |  |  |                    |  |                 |  |  |  |  |  |  |
| SB-02 (22-23)         | Soil   | 2/5/25       | 1430         | 22-23 | G         | 1         |            |    |            |                  |    |                            |            |          |         |                  |                                                 |          |                                     |                            |                                                                   |                     |                          |  |  |                    |  |                 |  |  |  |  |  |  |
| SB-02 (23-24)         | Soil   | 2/5/25       | 1435         | 23-24 | G         | 1         |            |    |            |                  |    |                            |            |          |         |                  |                                                 |          |                                     |                            |                                                                   |                     |                          |  |  |                    |  |                 |  |  |  |  |  |  |
| SB-02 (24-25)         | Soil   | 2/5/25       | 1440         | 24-25 | G         | 1         |            |    |            |                  |    |                            |            |          |         |                  |                                                 |          |                                     |                            |                                                                   |                     |                          |  |  |                    |  |                 |  |  |  |  |  |  |
| SB-02 (25-26)         | Soil   | 2/5/25       | 1445         | 25-26 | G         | 1         |            |    |            |                  |    |                            |            |          |         |                  |                                                 |          |                                     |                            |                                                                   |                     |                          |  |  |                    |  |                 |  |  |  |  |  |  |
| SB-02 (26-27)         | Soil   | 2/5/25       | 1450         | 26-27 | G         | 1         |            |    |            |                  |    |                            |            |          |         |                  |                                                 |          |                                     |                            |                                                                   |                     |                          |  |  |                    |  |                 |  |  |  |  |  |  |

|                                              |  |                                                                                                                    |  |
|----------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|--|
| Total 200.7 / 6010 200.8 / 6020:             |  | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |  |
| Circle Method(s) and Metal(s) to be analyzed |  | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471              |  |

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| <i>James Lowery</i>          | <i>Bred Wynne</i>        | 2/5/25 1500 |                              |                          |           |
|                              |                          |             |                              |                          |           |
|                              |                          |             |                              |                          |           |

Revised Date: 06/25/2020 Rev. 2020.2



Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-54134-1

SDG Number: Loving NM

Login Number: 54134

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                |        |         |
| Sample custody seals, if present, are intact.                                    |        |         |
| The cooler or samples do not appear to have been compromised or tampered with.   |        |         |
| Samples were received on ice.                                                    |        |         |
| Cooler Temperature is acceptable.                                                |        |         |
| Cooler Temperature is recorded.                                                  |        |         |
| COC is present                                                                   |        |         |
| COC is filled out in ink and legible.                                            |        |         |
| COC is filled out with all pertinent information                                 |        |         |
| Is the Field Sampler's name present on COC?                                      |        |         |
| There are no discrepancies between the containers received and the COC.          |        |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    |        |         |
| Sample containers have legible labels.                                           |        |         |
| Containers are not broken or leaking.                                            |        |         |
| Sample collection date/times are provided.                                       |        |         |
| Appropriate sample containers are used.                                          |        |         |
| Sample bottles are completely filled.                                            |        |         |
| Sample Preservation Verified.                                                    |        |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs |        |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  |        |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 2/20/2025 8:26:08 AM Revision 1

## JOB DESCRIPTION

Amoco Fed. 11 CTB  
Loving, NM

## JOB NUMBER

880-54174-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Generated  
2/20/2025 8:26:08 AM  
Revision 1



Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Laboratory Job ID: 880-54174-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.                                                                 |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| S1-       | Surrogate recovery exceeds control limits, low biased.                                                         |
| S1+       | Surrogate recovery exceeds control limits, high biased.                                                        |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

HPLC/IC

| Qualifier | Qualifier Description                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| E         | Result exceeded calibration range.                                                                                                                        |
| F1        | MS and/or MSD recovery exceeds control limits.                                                                                                            |
| U         | Indicates the analyte was analyzed for but not detected.                                                                                                  |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

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## Case Narrative

Client: AECOM  
Project: Amoco Fed. 11 CTB

Job ID: 880-54174-1

Job ID: 880-54174-1

Eurofins Midland

**Job Narrative**  
**880-54174-1**

REVISION

The report being provided is a revision of the original report sent on 2/13/2025. The report (revision 1) is being revised due to Per client email, requesting TPH and BTEX on samples SB10 11-12, SB10 12-13, and SB10 13-14.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The samples were received on 2/7/2025 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C.

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: SB-01 (20-21) (880-54174-1), SB-01 (21-22) (880-54174-2), SB-02 (20-22) (880-54174-3), SB-03 (20-21) (880-54174-4), SB-03 (21-22) (880-54174-5), SB-03 (22-23) (880-54174-6), SB-03 (23-24) (880-54174-7), SB-03 (24-25) (880-54174-8), SB-03 (25-26) (880-54174-9), SB-03-DUP (20-21) (880-54174-10), SB-10 (4-5) (880-54174-11), SB-10 (5-6) (880-54174-12), SB-10 (6-7) (880-54174-13), SB-10 (7-8) (880-54174-14), SB-10 (8-9) (880-54174-15), SB-10 (9-10) (880-54174-16), SB-10 (10-11) (880-54174-17), SB-10 (11-12) (880-54174-18), SB-10 (12-13) (880-54174-19), SB-10 (13-14) (880-54174-20), SB-10 (14-15) (880-54174-21), SB-10 (15-16) (880-54174-22), SB-10 (16-17) (880-54174-23), SB-10 (17-18) (880-54174-24), SB-10 (18-19) (880-54174-25), SB-10 (19-20) (880-54174-26), SB-10 (20-21) (880-54174-27), SB-10 (21-22) (880-54174-28), SB-10 (22-23) (880-54174-29), SB-10 (23-24) (880-54174-30), SB-10 (24-25) (880-54174-31), SB-10 (25-26) (880-54174-32) and TB-02 (880-54174-33).

**GC VOA**

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-102231 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-102231/20).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Diesel Range Organics**

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-102366 and analytical batch 880-102365 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-102366/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: SB-01 (20-21) (880-54174-1), SB-03-DUP (20-21) (880-54174-10), SB-10 (4-5) (880-54174-11), SB-10 (5-6) (880-54174-12), SB-10 (7-8) (880-54174-14), (880-54174-A-1-E MS) and (880-54174-A-1-F MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The matrix spike (MS) recoveries for preparation batch 880-102269 and analytical batch 880-102245 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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## Case Narrative

Client: AECOM  
Project: Amoco Fed. 11 CTB

Job ID: 880-54174-1

### Job ID: 880-54174-1 (Continued)

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Method 8015MOD\_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-102269 and analytical batch 880-102245 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-102636 and analytical batch 880-102691 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD\_NM: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) samples: (890-7663-A-61-B MS) and (890-7663-A-61-C MSD). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-103038/2-A) and (LCSD 880-103038/3-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 880-102372 and analytical batch 880-102376 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

The associated samples are: (880-54174-A-17-E MS) and (880-54174-A-17-F MSD).

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-102548 and analytical batch 880-102564 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

Client Sample ID: SB-01 (20-21)

Lab Sample ID: 880-54174-1

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 20-21

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00199 | 0.00139 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 16:00 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 16:00 | 1       |
| Ethylbenzene        | <0.00108 | U         | 0.00199 | 0.00108 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 16:00 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 16:00 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00199 | 0.00158 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 16:00 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 16:00 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 | 02/07/25 10:31 | 02/07/25 16:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 | 02/07/25 10:31 | 02/07/25 16:00 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg | - |          | 02/07/25 16:00 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 29.8   | J         | 49.9 | 15.1 | mg/Kg | - |          | 02/07/25 17:51 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 49.9 | 14.5 | mg/Kg | - | 02/07/25 09:47 | 02/07/25 17:51 | 1       |
| Diesel Range Organics (Over C10-C28) | 29.8   | J F1      | 49.9 | 15.1 | mg/Kg | - | 02/07/25 09:47 | 02/07/25 17:51 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 49.9 | 15.1 | mg/Kg | - | 02/07/25 09:47 | 02/07/25 17:51 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 72        |           | 70 - 130 | 02/07/25 09:47 | 02/07/25 17:51 | 1       |
| o-Terphenyl    | 62        | S1-       | 70 - 130 | 02/07/25 09:47 | 02/07/25 17:51 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 461    |           | 9.98 | 0.394 | mg/Kg | - |          | 02/07/25 16:20 | 1       |

Client Sample ID: SB-01 (21-22)

Lab Sample ID: 880-54174-2

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 21-22

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00138 | U         | 0.00199 | 0.00138 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 16:21 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 16:21 | 1       |
| Ethylbenzene        | <0.00108 | U         | 0.00199 | 0.00108 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 16:21 | 1       |
| m-Xylene & p-Xylene | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 16:21 | 1       |
| o-Xylene            | <0.00157 | U         | 0.00199 | 0.00157 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 16:21 | 1       |
| Xylenes, Total      | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 16:21 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97        |           | 70 - 130 | 02/07/25 10:31 | 02/07/25 16:21 | 1       |

Eurofins Midland

## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

Client Sample ID: SB-01 (21-22)

Lab Sample ID: 880-54174-2

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 21-22

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 102       |           | 70 - 130 | 02/07/25 10:31 | 02/07/25 16:21 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg |   |          | 02/07/25 16:21 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.0  | U         | 49.7 | 15.0 | mg/Kg |   |          | 02/13/25 13:25 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.4     | U         | 49.7     | 14.4 | mg/Kg | - | 02/12/25 16:58 | 02/13/25 13:25 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 02/12/25 16:58 | 02/13/25 13:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 02/12/25 16:58 | 02/13/25 13:25 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 85        |           | 70 - 130 |      |       |   | 02/12/25 16:58 | 02/13/25 13:25 | 1       |
| o-Terphenyl                          | 77        |           | 70 - 130 |      |       |   | 02/12/25 16:58 | 02/13/25 13:25 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 490    |           | 10.1 | 0.397 | mg/Kg |   |          | 02/07/25 16:38 | 1       |

Client Sample ID: SB-02 (20-22)

Lab Sample ID: 880-54174-3

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 20-22

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 16:41 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 16:41 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 16:41 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 16:41 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 16:41 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 16:41 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97        |           | 70 - 130 | 02/07/25 10:31 | 02/07/25 16:41 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 02/07/25 10:31 | 02/07/25 16:41 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 02/07/25 16:41 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 15.4   | J         | 50.0 | 15.1 | mg/Kg |   |          | 02/13/25 13:41 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

Client Sample ID: SB-02 (20-22)

Lab Sample ID: 880-54174-3

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 20-22

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                                     | Result      | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------------|-------------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10        | <14.5       | U         | 50.0     | 14.5 | mg/Kg | - | 02/12/25 16:58 | 02/13/25 13:41 | 1       |
| <b>Diesel Range Organics (Over C10-C28)</b> | <b>15.4</b> | <b>J</b>  | 50.0     | 15.1 | mg/Kg | - | 02/12/25 16:58 | 02/13/25 13:41 | 1       |
| Oil Range Organics (Over C28-C36)           | <15.1       | U         | 50.0     | 15.1 | mg/Kg | - | 02/12/25 16:58 | 02/13/25 13:41 | 1       |
| Surrogate                                   | %Recovery   | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                              | 83          |           | 70 - 130 |      |       |   | 02/12/25 16:58 | 02/13/25 13:41 | 1       |
| o-Terphenyl                                 | 71          |           | 70 - 130 |      |       |   | 02/12/25 16:58 | 02/13/25 13:41 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte         | Result     | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------------|------------|-----------|------|-------|-------|---|----------|----------------|---------|
| <b>Chloride</b> | <b>642</b> |           | 10.0 | 0.397 | mg/Kg | - |          | 02/07/25 16:44 | 1       |

Client Sample ID: SB-03 (20-21)

Lab Sample ID: 880-54174-4

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 20-21

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result         | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|----------------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| <b>Benzene</b>              | <b>0.00152</b> | <b>J</b>  | 0.00200  | 0.00139 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 17:02 | 1       |
| Toluene                     | <0.00200       | U         | 0.00200  | 0.00200 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 17:02 | 1       |
| Ethylbenzene                | <0.00109       | U         | 0.00200  | 0.00109 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 17:02 | 1       |
| m-Xylene & p-Xylene         | <0.00229       | U         | 0.00401  | 0.00229 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 17:02 | 1       |
| o-Xylene                    | <0.00159       | U         | 0.00200  | 0.00159 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 17:02 | 1       |
| Xylenes, Total              | <0.00229       | U         | 0.00401  | 0.00229 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 17:02 | 1       |
| Surrogate                   | %Recovery      | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 109            |           | 70 - 130 |         |       |   | 02/07/25 10:31 | 02/07/25 17:02 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103            |           | 70 - 130 |         |       |   | 02/07/25 10:31 | 02/07/25 17:02 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg | - |          | 02/07/25 17:02 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg | - |          | 02/13/25 13:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.8     | 14.5 | mg/Kg | - | 02/12/25 16:58 | 02/13/25 13:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.8     | 15.1 | mg/Kg | - | 02/12/25 16:58 | 02/13/25 13:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg | - | 02/12/25 16:58 | 02/13/25 13:56 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 89        |           | 70 - 130 |      |       |   | 02/12/25 16:58 | 02/13/25 13:56 | 1       |
| o-Terphenyl                          | 80        |           | 70 - 130 |      |       |   | 02/12/25 16:58 | 02/13/25 13:56 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Client Sample ID: SB-03 (20-21)

## Lab Sample ID: 880-54174-4

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 20-21

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 514    |           | 10.0 | 0.395 | mg/Kg |   |          | 02/07/25 16:50 | 1       |

## Client Sample ID: SB-03-DUP (20-21)

## Lab Sample ID: 880-54174-10

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 20-21

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00199  | 0.00139 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 17:22 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 17:22 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 17:22 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 17:22 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00199  | 0.00158 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 17:22 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 17:22 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 |         |       |   | 02/07/25 10:31 | 02/07/25 17:22 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |         |       |   | 02/07/25 10:31 | 02/07/25 17:22 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg |   |          | 02/07/25 17:22 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 02/07/25 19:17 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.8     | 14.5 | mg/Kg |   | 02/07/25 09:47 | 02/07/25 19:17 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 02/07/25 09:47 | 02/07/25 19:17 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 02/07/25 09:47 | 02/07/25 19:17 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 71        |           | 70 - 130 |      |       |   | 02/07/25 09:47 | 02/07/25 19:17 | 1       |
| o-Terphenyl                          | 62        | S1-       | 70 - 130 |      |       |   | 02/07/25 09:47 | 02/07/25 19:17 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 565    |           | 9.90 | 0.391 | mg/Kg |   |          | 02/07/25 16:56 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

Client Sample ID: SB-10 (4-5)

Lab Sample ID: 880-54174-11

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 4-5

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00138 | U         | 0.00199 | 0.00138 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 17:43 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 17:43 | 1       |
| Ethylbenzene        | <0.00108 | U         | 0.00199 | 0.00108 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 17:43 | 1       |
| m-Xylene & p-Xylene | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 17:43 | 1       |
| o-Xylene            | <0.00157 | U         | 0.00199 | 0.00157 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 17:43 | 1       |
| Xylenes, Total      | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 17:43 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 | 02/07/25 10:31 | 02/07/25 17:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 | 02/07/25 10:31 | 02/07/25 17:43 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - |          | 02/07/25 17:43 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg | - |          | 02/07/25 19:31 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 49.8 | 14.5 | mg/Kg | - | 02/07/25 09:47 | 02/07/25 19:31 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1  | U         | 49.8 | 15.1 | mg/Kg | - | 02/07/25 09:47 | 02/07/25 19:31 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 49.8 | 15.1 | mg/Kg | - | 02/07/25 09:47 | 02/07/25 19:31 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 71        |           | 70 - 130 | 02/07/25 09:47 | 02/07/25 19:31 | 1       |
| o-Terphenyl    | 62        | S1-       | 70 - 130 | 02/07/25 09:47 | 02/07/25 19:31 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 684    |           | 9.92 | 0.392 | mg/Kg | - |          | 02/07/25 17:14 | 1       |

Client Sample ID: SB-10 (5-6)

Lab Sample ID: 880-54174-12

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 5-6

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 18:04 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 18:04 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 18:04 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 18:04 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 18:04 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg | - | 02/07/25 10:31 | 02/07/25 18:04 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 | 02/07/25 10:31 | 02/07/25 18:04 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

Client Sample ID: SB-10 (5-6)

Lab Sample ID: 880-54174-12

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 5-6

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 97        |           | 70 - 130 | 02/07/25 10:31 | 02/07/25 18:04 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 02/07/25 18:04 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.9 | 15.1 | mg/Kg |   |          | 02/07/25 19:47 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.9     | 14.5 | mg/Kg | - | 02/07/25 09:47 | 02/07/25 19:47 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 02/07/25 09:47 | 02/07/25 19:47 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 02/07/25 09:47 | 02/07/25 19:47 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 80        |           | 70 - 130 |      |       |   | 02/07/25 09:47 | 02/07/25 19:47 | 1       |
| o-Terphenyl                          | 68        | S1-       | 70 - 130 |      |       |   | 02/07/25 09:47 | 02/07/25 19:47 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 678    |           | 10.1 | 0.399 | mg/Kg |   |          | 02/07/25 17:21 | 1       |

Client Sample ID: SB-10 (6-7)

Lab Sample ID: 880-54174-13

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 6-7

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00140 | U         | 0.00201 | 0.00140 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 18:24 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | 0.00201 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 18:24 | 1       |
| Ethylbenzene        | <0.00110 | U         | 0.00201 | 0.00110 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 18:24 | 1       |
| m-Xylene & p-Xylene | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 18:24 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00201 | 0.00159 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 18:24 | 1       |
| Xylenes, Total      | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 18:24 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 | 02/07/25 10:31 | 02/07/25 18:24 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 02/07/25 10:31 | 02/07/25 18:24 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   |          | 02/07/25 18:24 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.2  | U         | 50.3 | 15.2 | mg/Kg |   |          | 02/13/25 13:25 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

Client Sample ID: SB-10 (6-7)

Lab Sample ID: 880-54174-13

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 6-7

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.6     | U         | 50.3     | 14.6 | mg/Kg |   | 02/13/25 12:52 | 02/13/25 13:25 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.2     | U         | 50.3     | 15.2 | mg/Kg |   | 02/13/25 12:52 | 02/13/25 13:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.2     | U         | 50.3     | 15.2 | mg/Kg |   | 02/13/25 12:52 | 02/13/25 13:25 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 125       |           | 70 - 130 |      |       |   | 02/13/25 12:52 | 02/13/25 13:25 | 1       |
| o-Terphenyl                          | 95        |           | 70 - 130 |      |       |   | 02/13/25 12:52 | 02/13/25 13:25 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 437    |           | 9.94 | 0.393 | mg/Kg |   |          | 02/07/25 17:27 | 1       |

Client Sample ID: SB-10 (7-8)

Lab Sample ID: 880-54174-14

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 7-8

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 18:45 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 18:45 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 18:45 | 1       |
| m-Xylene & p-Xylene         | <0.00229  | U         | 0.00401  | 0.00229 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 18:45 | 1       |
| o-Xylene                    | <0.00159  | U         | 0.00200  | 0.00159 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 18:45 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00401  | 0.00229 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 18:45 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 |         |       |   | 02/07/25 10:31 | 02/07/25 18:45 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |         |       |   | 02/07/25 10:31 | 02/07/25 18:45 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   |          | 02/07/25 18:45 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 02/07/25 20:16 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.8     | 14.5 | mg/Kg |   | 02/07/25 09:47 | 02/07/25 20:16 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 02/07/25 09:47 | 02/07/25 20:16 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 02/07/25 09:47 | 02/07/25 20:16 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 78        |           | 70 - 130 |      |       |   | 02/07/25 09:47 | 02/07/25 20:16 | 1       |
| o-Terphenyl                          | 66        | S1-       | 70 - 130 |      |       |   | 02/07/25 09:47 | 02/07/25 20:16 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

Client Sample ID: SB-10 (7-8)

Lab Sample ID: 880-54174-14

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 7-8

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 700    |           | 9.96 | 0.393 | mg/Kg |   |          | 02/07/25 17:33 | 1       |

Client Sample ID: SB-10 (8-9)

Lab Sample ID: 880-54174-15

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 8-9

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00140  | U         | 0.00201  | 0.00140 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 19:05 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | 0.00201 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 19:05 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00201  | 0.00109 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 19:05 | 1       |
| m-Xylene & p-Xylene         | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 19:05 | 1       |
| o-Xylene                    | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 19:05 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00402  | 0.00229 | mg/Kg |   | 02/07/25 10:31 | 02/07/25 19:05 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 97        |           | 70 - 130 |         |       |   | 02/07/25 10:31 | 02/07/25 19:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 |         |       |   | 02/07/25 10:31 | 02/07/25 19:05 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   |          | 02/07/25 19:05 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 02/07/25 20:30 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.8     | 14.5 | mg/Kg |   | 02/07/25 09:47 | 02/07/25 20:30 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 02/07/25 09:47 | 02/07/25 20:30 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 02/07/25 09:47 | 02/07/25 20:30 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 82        |           | 70 - 130 |      |       |   | 02/07/25 09:47 | 02/07/25 20:30 | 1       |
| o-Terphenyl                          | 72        |           | 70 - 130 |      |       |   | 02/07/25 09:47 | 02/07/25 20:30 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1160   |           | 10.1 | 0.398 | mg/Kg |   |          | 02/07/25 17:39 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

Client Sample ID: SB-10 (9-10)

Lab Sample ID: 880-54174-16

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 9-10

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg | - | 02/07/25 10:33 | 02/07/25 12:43 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg | - | 02/07/25 10:33 | 02/07/25 12:43 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg | - | 02/07/25 10:33 | 02/07/25 12:43 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg | - | 02/07/25 10:33 | 02/07/25 12:43 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00200 | 0.00159 | mg/Kg | - | 02/07/25 10:33 | 02/07/25 12:43 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg | - | 02/07/25 10:33 | 02/07/25 12:43 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 | 02/07/25 10:33 | 02/07/25 12:43 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 02/07/25 10:33 | 02/07/25 12:43 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg | - |          | 02/07/25 12:43 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.9 | 15.1 | mg/Kg | - |          | 02/13/25 13:41 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 49.9 | 14.5 | mg/Kg | - | 02/13/25 12:52 | 02/13/25 13:41 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1  | U         | 49.9 | 15.1 | mg/Kg | - | 02/13/25 12:52 | 02/13/25 13:41 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 49.9 | 15.1 | mg/Kg | - | 02/13/25 12:52 | 02/13/25 13:41 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 129       |           | 70 - 130 | 02/13/25 12:52 | 02/13/25 13:41 | 1       |
| o-Terphenyl    | 99        |           | 70 - 130 | 02/13/25 12:52 | 02/13/25 13:41 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1390   |           | 10.0 | 0.396 | mg/Kg | - |          | 02/07/25 17:45 | 1       |

Client Sample ID: SB-10 (10-11)

Lab Sample ID: 880-54174-17

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 10-11

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg | - | 02/10/25 11:30 | 02/10/25 15:59 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg | - | 02/10/25 11:30 | 02/10/25 15:59 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg | - | 02/10/25 11:30 | 02/10/25 15:59 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg | - | 02/10/25 11:30 | 02/10/25 15:59 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00200 | 0.00159 | mg/Kg | - | 02/10/25 11:30 | 02/10/25 15:59 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg | - | 02/10/25 11:30 | 02/10/25 15:59 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97        |           | 70 - 130 | 02/10/25 11:30 | 02/10/25 15:59 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

Client Sample ID: SB-10 (10-11)

Lab Sample ID: 880-54174-17

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 10-11

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate                  | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 93        |           | 70 - 130 | 02/10/25 11:30 | 02/10/25 15:59 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   |          | 02/10/25 15:59 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.9 | 15.1 | mg/Kg |   |          | 02/10/25 22:45 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.9     | 14.5 | mg/Kg | - | 02/10/25 08:51 | 02/10/25 22:45 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U F1      | 49.9     | 15.1 | mg/Kg |   | 02/10/25 08:51 | 02/10/25 22:45 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.9     | 15.1 | mg/Kg |   | 02/10/25 08:51 | 02/10/25 22:45 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 73        |           | 70 - 130 |      |       |   | 02/10/25 08:51 | 02/10/25 22:45 | 1       |
| o-Terphenyl                          | 76        |           | 70 - 130 |      |       |   | 02/10/25 08:51 | 02/10/25 22:45 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1260   |           | 10.0 | 0.397 | mg/Kg |   |          | 02/10/25 16:11 | 1       |

Client Sample ID: SB-10 (11-12)

Lab Sample ID: 880-54174-18

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 11-12

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 02/18/25 11:15 | 02/18/25 16:17 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 02/18/25 11:15 | 02/18/25 16:17 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 02/18/25 11:15 | 02/18/25 16:17 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 02/18/25 11:15 | 02/18/25 16:17 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg |   | 02/18/25 11:15 | 02/18/25 16:17 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 02/18/25 11:15 | 02/18/25 16:17 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 02/18/25 11:15 | 02/18/25 16:17 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 | 02/18/25 11:15 | 02/18/25 16:17 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 02/18/25 16:17 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 50.0 | 15.1 | mg/Kg |   |          | 02/19/25 01:38 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

Client Sample ID: SB-10 (11-12)

Lab Sample ID: 880-54174-18

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 11-12

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg | - | 02/18/25 12:21 | 02/19/25 01:38 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 50.0     | 15.1 | mg/Kg | - | 02/18/25 12:21 | 02/19/25 01:38 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 50.0     | 15.1 | mg/Kg | - | 02/18/25 12:21 | 02/19/25 01:38 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 101       |           | 70 - 130 |      |       |   | 02/18/25 12:21 | 02/19/25 01:38 | 1       |
| o-Terphenyl                          | 90        |           | 70 - 130 |      |       |   | 02/18/25 12:21 | 02/19/25 01:38 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1230   |           | 49.8 | 1.97 | mg/Kg | - |          | 02/12/25 15:51 | 5       |

Client Sample ID: SB-10 (12-13)

Lab Sample ID: 880-54174-19

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

Sample Depth: 12-13

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00140  | U         | 0.00201  | 0.00140 | mg/Kg | - | 02/18/25 11:15 | 02/18/25 16:37 | 1       |
| Toluene                     | <0.00201  | U         | 0.00201  | 0.00201 | mg/Kg | - | 02/18/25 11:15 | 02/18/25 16:37 | 1       |
| Ethylbenzene                | <0.00110  | U         | 0.00201  | 0.00110 | mg/Kg | - | 02/18/25 11:15 | 02/18/25 16:37 | 1       |
| m-Xylene & p-Xylene         | <0.00230  | U         | 0.00402  | 0.00230 | mg/Kg | - | 02/18/25 11:15 | 02/18/25 16:37 | 1       |
| o-Xylene                    | <0.00159  | U         | 0.00201  | 0.00159 | mg/Kg | - | 02/18/25 11:15 | 02/18/25 16:37 | 1       |
| Xylenes, Total              | <0.00230  | U         | 0.00402  | 0.00230 | mg/Kg | - | 02/18/25 11:15 | 02/18/25 16:37 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 |         |       |   | 02/18/25 11:15 | 02/18/25 16:37 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 |         |       |   | 02/18/25 11:15 | 02/18/25 16:37 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg | - |          | 02/18/25 16:37 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.9 | 15.1 | mg/Kg | - |          | 02/19/25 02:23 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.9     | 14.5 | mg/Kg | - | 02/18/25 12:21 | 02/19/25 02:23 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.9     | 15.1 | mg/Kg | - | 02/18/25 12:21 | 02/19/25 02:23 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.9     | 15.1 | mg/Kg | - | 02/18/25 12:21 | 02/19/25 02:23 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 122       |           | 70 - 130 |      |       |   | 02/18/25 12:21 | 02/19/25 02:23 | 1       |
| o-Terphenyl                          | 106       |           | 70 - 130 |      |       |   | 02/18/25 12:21 | 02/19/25 02:23 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Client Sample ID: SB-10 (12-13)

Date Collected: 02/06/25 00:00

Date Received: 02/07/25 08:00

Sample Depth: 12-13

## Lab Sample ID: 880-54174-19

Matrix: Solid

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 1320   |           | 50.2 | 1.98 | mg/Kg |   |          | 02/12/25 15:57 | 5       |

## Client Sample ID: SB-10 (13-14)

Date Collected: 02/06/25 00:00

Date Received: 02/07/25 08:00

Sample Depth: 13-14

## Lab Sample ID: 880-54174-20

Matrix: Solid

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 02/18/25 11:15 | 02/18/25 16:58 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 02/18/25 11:15 | 02/18/25 16:58 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 02/18/25 11:15 | 02/18/25 16:58 | 1       |
| m-Xylene & p-Xylene         | <0.00229  | U         | 0.00401  | 0.00229 | mg/Kg |   | 02/18/25 11:15 | 02/18/25 16:58 | 1       |
| o-Xylene                    | <0.00159  | U         | 0.00200  | 0.00159 | mg/Kg |   | 02/18/25 11:15 | 02/18/25 16:58 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00401  | 0.00229 | mg/Kg |   | 02/18/25 11:15 | 02/18/25 16:58 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 |         |       |   | 02/18/25 11:15 | 02/18/25 16:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |         |       |   | 02/18/25 11:15 | 02/18/25 16:58 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   |          | 02/18/25 16:58 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 02/19/25 02:37 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 49.8     | 14.5 | mg/Kg |   | 02/18/25 12:22 | 02/19/25 02:37 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 02/18/25 12:22 | 02/19/25 02:37 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 49.8     | 15.1 | mg/Kg |   | 02/18/25 12:22 | 02/19/25 02:37 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 99        |           | 70 - 130 |      |       |   | 02/18/25 12:22 | 02/19/25 02:37 | 1       |
| o-Terphenyl                          | 89        |           | 70 - 130 |      |       |   | 02/18/25 12:22 | 02/19/25 02:37 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 489    |           | 10.1 | 0.399 | mg/Kg |   |          | 02/13/25 11:14 | 1       |

## Client Sample ID: TB-02

Date Collected: 02/06/25 00:00

Date Received: 02/07/25 08:00

## Lab Sample ID: 880-54174-33

Matrix: Water

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result   | Qualifier | RL      | MDL     | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------|----------|-----------|---------|---------|------|---|----------|----------------|---------|
| Benzene | <0.00146 | U         | 0.00200 | 0.00146 | mg/L |   |          | 02/12/25 00:21 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

Client Sample ID: TB-02

Lab Sample ID: 880-54174-33

Date Collected: 02/06/25 00:00

Matrix: Water

Date Received: 02/07/25 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte             | Result    | Qualifier | RL      | MDL      | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|-----------|-----------|---------|----------|------|---|----------|----------------|---------|
| Toluene             | <0.000985 | U         | 0.00200 | 0.000985 | mg/L |   |          | 02/12/25 00:21 | 1       |
| Ethylbenzene        | <0.00105  | U         | 0.00200 | 0.00105  | mg/L |   |          | 02/12/25 00:21 | 1       |
| m-Xylene & p-Xylene | <0.00263  | U         | 0.00400 | 0.00263  | mg/L |   |          | 02/12/25 00:21 | 1       |
| o-Xylene            | <0.00111  | U         | 0.00200 | 0.00111  | mg/L |   |          | 02/12/25 00:21 | 1       |
| Xylenes, Total      | <0.00263  | U         | 0.00400 | 0.00263  | mg/L |   |          | 02/12/25 00:21 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97        |           | 70 - 130 |          | 02/12/25 00:21 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |          | 02/12/25 00:21 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|------|---|----------|----------------|---------|
| Total BTEX | <0.00263 | U         | 0.00400 | 0.00263 | mg/L |   |          | 02/12/25 00:21 | 1       |

## Surrogate Summary

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

|                      |                        | Percent Surrogate Recovery (Acceptance Limits) |          |
|----------------------|------------------------|------------------------------------------------|----------|
| Lab Sample ID        | Client Sample ID       | BFB1                                           | DFBZ1    |
|                      |                        | (70-130)                                       | (70-130) |
| 880-54174-1          | SB-01 (20-21)          | 93                                             | 99       |
| 880-54174-2          | SB-01 (21-22)          | 97                                             | 102      |
| 880-54174-3          | SB-02 (20-22)          | 97                                             | 103      |
| 880-54174-4          | SB-03 (20-21)          | 109                                            | 103      |
| 880-54174-10         | SB-03-DUP (20-21)      | 102                                            | 102      |
| 880-54174-11         | SB-10 (4-5)            | 107                                            | 99       |
| 880-54174-12         | SB-10 (5-6)            | 106                                            | 97       |
| 880-54174-13         | SB-10 (6-7)            | 105                                            | 100      |
| 880-54174-14         | SB-10 (7-8)            | 106                                            | 102      |
| 880-54174-15         | SB-10 (8-9)            | 97                                             | 100      |
| 880-54174-16         | SB-10 (9-10)           | 100                                            | 100      |
| 880-54174-17         | SB-10 (10-11)          | 97                                             | 93       |
| 880-54174-17 MS      | SB-10 (10-11)          | 99                                             | 102      |
| 880-54174-17 MSD     | SB-10 (10-11)          | 112                                            | 98       |
| 880-54174-18         | SB-10 (11-12)          | 104                                            | 96       |
| 880-54174-19         | SB-10 (12-13)          | 110                                            | 98       |
| 880-54174-20         | SB-10 (13-14)          | 111                                            | 95       |
| 880-54554-A-33-D MS  | Matrix Spike           | 113                                            | 96       |
| 880-54554-A-33-E MSD | Matrix Spike Duplicate | 111                                            | 91       |
| 890-7642-A-1-B MS    | Matrix Spike           | 107                                            | 101      |
| 890-7642-A-1-C MSD   | Matrix Spike Duplicate | 112                                            | 96       |
| 890-7642-A-21-C MS   | Matrix Spike           | 96                                             | 116      |
| 890-7642-A-21-D MSD  | Matrix Spike Duplicate | 95                                             | 106      |
| LCS 880-102260/1-A   | Lab Control Sample     | 103                                            | 103      |
| LCS 880-102262/1-A   | Lab Control Sample     | 100                                            | 113      |
| LCS 880-102374/1-A   | Lab Control Sample     | 113                                            | 88       |
| LCS 880-103021/1-A   | Lab Control Sample     | 121                                            | 104      |
| LCSD 880-102260/2-A  | Lab Control Sample Dup | 100                                            | 99       |
| LCSD 880-102262/2-A  | Lab Control Sample Dup | 92                                             | 113      |
| LCSD 880-102374/2-A  | Lab Control Sample Dup | 100                                            | 103      |
| LCSD 880-103021/2-A  | Lab Control Sample Dup | 107                                            | 96       |
| MB 880-102260/5-A    | Method Blank           | 92                                             | 92       |
| MB 880-102262/5-A    | Method Blank           | 101                                            | 98       |
| MB 880-102374/5-A    | Method Blank           | 95                                             | 93       |
| MB 880-103021/5-A    | Method Blank           | 100                                            | 88       |

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

|                   |                        | Percent Surrogate Recovery (Acceptance Limits) |          |
|-------------------|------------------------|------------------------------------------------|----------|
| Lab Sample ID     | Client Sample ID       | BFB1                                           | DFBZ1    |
|                   |                        | (70-130)                                       | (70-130) |
| 880-54147-H-1 MS  | Matrix Spike           | 97                                             | 106      |
| 880-54147-H-1 MSD | Matrix Spike Duplicate | 101                                            | 111      |
| 880-54174-33      | TB-02                  | 97                                             | 102      |
| LCS 880-102428/34 | Lab Control Sample     | 95                                             | 107      |

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## Surrogate Summary

Client: AECOM

Job ID: 880-54174-1

Project/Site: Amoco Fed. 11 CTB

SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Water

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| LCSD 880-102428/35                | Lab Control Sample Dup | 99                                             | 111               |
| MB 880-102428/39                  | Method Blank           | 99                                             | 94                |
| MB 880-102436/5-A                 | Method Blank           | 94                                             | 92                |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                     |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|---------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID       | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-54174-1         | SB-01 (20-21)          | 72                                             | 62 S1-            |
| 880-54174-1 MS      | SB-01 (20-21)          | 73                                             | 62 S1-            |
| 880-54174-1 MSD     | SB-01 (20-21)          | 73                                             | 62 S1-            |
| 880-54174-2         | SB-01 (21-22)          | 85                                             | 77                |
| 880-54174-3         | SB-02 (20-22)          | 83                                             | 71                |
| 880-54174-4         | SB-03 (20-21)          | 89                                             | 80                |
| 880-54174-10        | SB-03-DUP (20-21)      | 71                                             | 62 S1-            |
| 880-54174-11        | SB-10 (4-5)            | 71                                             | 62 S1-            |
| 880-54174-12        | SB-10 (5-6)            | 80                                             | 68 S1-            |
| 880-54174-13        | SB-10 (6-7)            | 125                                            | 95                |
| 880-54174-14        | SB-10 (7-8)            | 78                                             | 66 S1-            |
| 880-54174-15        | SB-10 (8-9)            | 82                                             | 72                |
| 880-54174-16        | SB-10 (9-10)           | 129                                            | 99                |
| 880-54174-17        | SB-10 (10-11)          | 73                                             | 76                |
| 880-54174-17 MS     | SB-10 (10-11)          | 69 S1-                                         | 68 S1-            |
| 880-54174-17 MSD    | SB-10 (10-11)          | 69 S1-                                         | 69 S1-            |
| 880-54174-18        | SB-10 (11-12)          | 101                                            | 90                |
| 880-54174-18 MS     | SB-10 (11-12)          | 107                                            | 91                |
| 880-54174-18 MSD    | SB-10 (11-12)          | 105                                            | 89                |
| 880-54174-19        | SB-10 (12-13)          | 122                                            | 106               |
| 880-54174-20        | SB-10 (13-14)          | 99                                             | 89                |
| 890-7663-A-61-B MS  | Matrix Spike           | 66 S1-                                         | 65 S1-            |
| 890-7663-A-61-C MSD | Matrix Spike Duplicate | 68 S1-                                         | 67 S1-            |
| 890-7666-A-4-E MS   | Matrix Spike           | 96                                             | 83                |
| 890-7666-A-4-F MSD  | Matrix Spike Duplicate | 100                                            | 87                |
| LCS 880-102269/2-A  | Lab Control Sample     | 96                                             | 85                |
| LCS 880-102366/2-A  | Lab Control Sample     | 69 S1-                                         | 68 S1-            |
| LCS 880-102636/2-A  | Lab Control Sample     | 82                                             | 84                |
| LCS 880-102712/2-A  | Lab Control Sample     | 127                                            | 125               |
| LCS 880-103038/2-A  | Lab Control Sample     | 135 S1+                                        | 122               |
| LCSD 880-102269/3-A | Lab Control Sample Dup | 95                                             | 85                |
| LCSD 880-102366/3-A | Lab Control Sample Dup | 71                                             | 71                |
| LCSD 880-102636/3-A | Lab Control Sample Dup | 83                                             | 85                |
| LCSD 880-102712/3-A | Lab Control Sample Dup | 117                                            | 109               |
| LCSD 880-103038/3-A | Lab Control Sample Dup | 135 S1+                                        | 122               |
| MB 880-102269/1-A   | Method Blank           | 122                                            | 111               |
| MB 880-102366/1-A   | Method Blank           | 90                                             | 97                |

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Surrogate Summary

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

|                      |                  | Percent Surrogate Recovery (Acceptance Limits) |                   |
|----------------------|------------------|------------------------------------------------|-------------------|
| Lab Sample ID        | Client Sample ID | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| MB 880-102636/1-A    | Method Blank     | 108                                            | 101               |
| MB 880-102712/1-A    | Method Blank     | 91                                             | 82                |
| MB 880-103038/1-A    | Method Blank     | 100                                            | 90                |
| Surrogate Legend     |                  |                                                |                   |
| 1CO = 1-Chlorooctane |                  |                                                |                   |
| OTPH = o-Terphenyl   |                  |                                                |                   |

## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102260/5-A

Matrix: Solid

Analysis Batch: 102231

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102260

| Analyte             | MB Result | MB Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139  | U            | 0.00200 | 0.00139 | mg/Kg |   | 02/07/25 08:57 | 02/07/25 11:00 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 | 0.00200 | mg/Kg |   | 02/07/25 08:57 | 02/07/25 11:00 | 1       |
| Ethylbenzene        | <0.00109  | U            | 0.00200 | 0.00109 | mg/Kg |   | 02/07/25 08:57 | 02/07/25 11:00 | 1       |
| m-Xylene & p-Xylene | <0.00229  | U            | 0.00400 | 0.00229 | mg/Kg |   | 02/07/25 08:57 | 02/07/25 11:00 | 1       |
| o-Xylene            | <0.00158  | U            | 0.00200 | 0.00158 | mg/Kg |   | 02/07/25 08:57 | 02/07/25 11:00 | 1       |
| Xylenes, Total      | <0.00229  | U            | 0.00400 | 0.00229 | mg/Kg |   | 02/07/25 08:57 | 02/07/25 11:00 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 92           |              | 70 - 130 | 02/07/25 08:57 | 02/07/25 11:00 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92           |              | 70 - 130 | 02/07/25 08:57 | 02/07/25 11:00 | 1       |

Lab Sample ID: LCS 880-102260/1-A

Matrix: Solid

Analysis Batch: 102231

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102260

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1205     |               | mg/Kg |   | 121  | 70 - 130    |
| Toluene             | 0.100       | 0.1220     |               | mg/Kg |   | 122  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.1240     |               | mg/Kg |   | 124  | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2318     |               | mg/Kg |   | 116  | 70 - 130    |
| o-Xylene            | 0.100       | 0.1204     |               | mg/Kg |   | 120  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 103           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 103           |               | 70 - 130 |

Lab Sample ID: LCSD 880-102260/2-A

Matrix: Solid

Analysis Batch: 102231

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102260

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.1153      |                | mg/Kg |   | 115  | 70 - 130    | 4   | 35        |
| Toluene             | 0.100       | 0.1187      |                | mg/Kg |   | 119  | 70 - 130    | 3   | 35        |
| Ethylbenzene        | 0.100       | 0.1223      |                | mg/Kg |   | 122  | 70 - 130    | 1   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.2292      |                | mg/Kg |   | 115  | 70 - 130    | 1   | 35        |
| o-Xylene            | 0.100       | 0.1208      |                | mg/Kg |   | 121  | 70 - 130    | 0   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 100            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 99             |                | 70 - 130 |

Lab Sample ID: 890-7642-A-1-B MS

Matrix: Solid

Analysis Batch: 102231

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102260

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00139      | U                | 0.0998      | 0.1112    |              | mg/Kg |   | 111  | 70 - 130    |
| Toluene | <0.00200      | U                | 0.0998      | 0.1140    |              | mg/Kg |   | 114  | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-7642-A-1-B MS

Matrix: Solid

Analysis Batch: 102231

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102260

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00109      | U                | 0.0998      | 0.1128    |              | mg/Kg |   | 113  | 70 - 130    |
| m-Xylene & p-Xylene | <0.00229      | U                | 0.200       | 0.2135    |              | mg/Kg |   | 107  | 70 - 130    |
| o-Xylene            | <0.00159      | U                | 0.0998      | 0.1083    |              | mg/Kg |   | 109  | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 107          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101          |              | 70 - 130 |

Lab Sample ID: 890-7642-A-1-C MSD

Matrix: Solid

Analysis Batch: 102231

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102260

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-------|
| Benzene             | <0.00139      | U                | 0.0996      | 0.1015     |               | mg/Kg |   | 102  | 70 - 130    | 9   | 35    |
| Toluene             | <0.00200      | U                | 0.0996      | 0.1088     |               | mg/Kg |   | 109  | 70 - 130    | 5   | 35    |
| Ethylbenzene        | <0.00109      | U                | 0.0996      | 0.1106     |               | mg/Kg |   | 111  | 70 - 130    | 2   | 35    |
| m-Xylene & p-Xylene | <0.00229      | U                | 0.199       | 0.2094     |               | mg/Kg |   | 105  | 70 - 130    | 2   | 35    |
| o-Xylene            | <0.00159      | U                | 0.0996      | 0.1080     |               | mg/Kg |   | 108  | 70 - 130    | 0   | 35    |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 112           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 96            |               | 70 - 130 |

Lab Sample ID: MB 880-102262/5-A

Matrix: Solid

Analysis Batch: 102232

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102262

| Analyte             | MB Result | MB Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139  | U            | 0.00200 | 0.00139 | mg/Kg |   | 02/07/25 09:06 | 02/07/25 10:59 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 | 0.00200 | mg/Kg |   | 02/07/25 09:06 | 02/07/25 10:59 | 1       |
| Ethylbenzene        | <0.00109  | U            | 0.00200 | 0.00109 | mg/Kg |   | 02/07/25 09:06 | 02/07/25 10:59 | 1       |
| m-Xylene & p-Xylene | <0.00229  | U            | 0.00400 | 0.00229 | mg/Kg |   | 02/07/25 09:06 | 02/07/25 10:59 | 1       |
| o-Xylene            | <0.00158  | U            | 0.00200 | 0.00158 | mg/Kg |   | 02/07/25 09:06 | 02/07/25 10:59 | 1       |
| Xylenes, Total      | <0.00229  | U            | 0.00400 | 0.00229 | mg/Kg |   | 02/07/25 09:06 | 02/07/25 10:59 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101          |              | 70 - 130 | 02/07/25 09:06 | 02/07/25 10:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98           |              | 70 - 130 | 02/07/25 09:06 | 02/07/25 10:59 | 1       |

Lab Sample ID: LCS 880-102262/1-A

Matrix: Solid

Analysis Batch: 102232

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102262

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.09314    |               | mg/Kg |   | 93   | 70 - 130    |
| Toluene             | 0.100       | 0.08069    |               | mg/Kg |   | 81   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.08787    |               | mg/Kg |   | 88   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1821     |               | mg/Kg |   | 91   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-102262/1-A

Matrix: Solid

Analysis Batch: 102232

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102262

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| o-Xylene | 0.100       | 0.09119    |               | mg/Kg |   | 91   | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 100           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 113           |               | 70 - 130 |

Lab Sample ID: LCSD 880-102262/2-A

Matrix: Solid

Analysis Batch: 102232

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102262

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-------|
| Benzene             | 0.100       | 0.09697     |                | mg/Kg |   | 97   | 70 - 130    | 4   | 35    |
| Toluene             | 0.100       | 0.08339     |                | mg/Kg |   | 83   | 70 - 130    | 3   | 35    |
| Ethylbenzene        | 0.100       | 0.09090     |                | mg/Kg |   | 91   | 70 - 130    | 3   | 35    |
| m-Xylene & p-Xylene | 0.200       | 0.1878      |                | mg/Kg |   | 94   | 70 - 130    | 3   | 35    |
| o-Xylene            | 0.100       | 0.09356     |                | mg/Kg |   | 94   | 70 - 130    | 3   | 35    |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 92             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 113            |                | 70 - 130 |

Lab Sample ID: 890-7642-A-21-C MS

Matrix: Solid

Analysis Batch: 102232

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102262

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | <0.00139      | U                | 0.0998      | 0.1043    |              | mg/Kg |   | 105  | 70 - 130    |
| Toluene             | <0.00200      | U                | 0.0998      | 0.08862   |              | mg/Kg |   | 89   | 70 - 130    |
| Ethylbenzene        | <0.00109      | U                | 0.0998      | 0.09292   |              | mg/Kg |   | 93   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00229      | U                | 0.200       | 0.1906    |              | mg/Kg |   | 95   | 70 - 130    |
| o-Xylene            | <0.00159      | U                | 0.0998      | 0.09418   |              | mg/Kg |   | 94   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 96           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 116          |              | 70 - 130 |

Lab Sample ID: 890-7642-A-21-D MSD

Matrix: Solid

Analysis Batch: 102232

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102262

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-------|
| Benzene             | <0.00139      | U                | 0.0996      | 0.09417    |               | mg/Kg |   | 95   | 70 - 130    | 10  | 35    |
| Toluene             | <0.00200      | U                | 0.0996      | 0.08027    |               | mg/Kg |   | 81   | 70 - 130    | 10  | 35    |
| Ethylbenzene        | <0.00109      | U                | 0.0996      | 0.08398    |               | mg/Kg |   | 84   | 70 - 130    | 10  | 35    |
| m-Xylene & p-Xylene | <0.00229      | U                | 0.199       | 0.1706     |               | mg/Kg |   | 86   | 70 - 130    | 11  | 35    |
| o-Xylene            | <0.00159      | U                | 0.0996      | 0.08480    |               | mg/Kg |   | 85   | 70 - 130    | 10  | 35    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-7642-A-21-D MSD

Matrix: Solid

Analysis Batch: 102232

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102262

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 |

Lab Sample ID: MB 880-102374/5-A

Matrix: Solid

Analysis Batch: 102377

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102374

| Analyte             | MB       | MB        |         |         |       |   |                |                |         |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
|                     | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 15:37 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 15:37 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 15:37 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 15:37 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 15:37 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00400 | 0.00229 | mg/Kg |   | 02/10/25 11:30 | 02/10/25 15:37 | 1       |

|                             | MB        | MB        |          |  |  |  |                |                |         |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 |  |  |  | 02/10/25 11:30 | 02/10/25 15:37 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 |  |  |  | 02/10/25 11:30 | 02/10/25 15:37 | 1       |

Lab Sample ID: LCS 880-102374/1-A

Matrix: Solid

Analysis Batch: 102377

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102374

| Analyte             | Spike | LCS     | LCS       |       |   |      |          |  |  |
|---------------------|-------|---------|-----------|-------|---|------|----------|--|--|
|                     | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   |  |  |
| Benzene             | 0.100 | 0.09448 |           | mg/Kg |   | 94   | 70 - 130 |  |  |
| Toluene             | 0.100 | 0.1084  |           | mg/Kg |   | 108  | 70 - 130 |  |  |
| Ethylbenzene        | 0.100 | 0.1213  |           | mg/Kg |   | 121  | 70 - 130 |  |  |
| m-Xylene & p-Xylene | 0.200 | 0.2319  |           | mg/Kg |   | 116  | 70 - 130 |  |  |
| o-Xylene            | 0.100 | 0.1143  |           | mg/Kg |   | 114  | 70 - 130 |  |  |

|                             | LCS       | LCS       |          |  |  |  |  |  |  |
|-----------------------------|-----------|-----------|----------|--|--|--|--|--|--|
| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  |  |  |  |
| 4-Bromofluorobenzene (Surr) | 113       |           | 70 - 130 |  |  |  |  |  |  |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 |  |  |  |  |  |  |

Lab Sample ID: LCSD 880-102374/2-A

Matrix: Solid

Analysis Batch: 102377

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102374

| Analyte             | Spike | LCSD    | LCSD      |       |   |      |          |     |       |  |
|---------------------|-------|---------|-----------|-------|---|------|----------|-----|-------|--|
|                     | Added | Result  | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |  |
| Benzene             | 0.100 | 0.09885 |           | mg/Kg |   | 99   | 70 - 130 | 5   | 35    |  |
| Toluene             | 0.100 | 0.1006  |           | mg/Kg |   | 101  | 70 - 130 | 7   | 35    |  |
| Ethylbenzene        | 0.100 | 0.1021  |           | mg/Kg |   | 102  | 70 - 130 | 17  | 35    |  |
| m-Xylene & p-Xylene | 0.200 | 0.1967  |           | mg/Kg |   | 98   | 70 - 130 | 16  | 35    |  |
| o-Xylene            | 0.100 | 0.09715 |           | mg/Kg |   | 97   | 70 - 130 | 16  | 35    |  |

|                             | LCSD      | LCSD      |          |  |  |  |  |  |  |  |
|-----------------------------|-----------|-----------|----------|--|--|--|--|--|--|--|
| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  |  |  |  |  |
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 |  |  |  |  |  |  |  |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-102374/2-A

Matrix: Solid

Analysis Batch: 102377

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102374

|                            | LCSD      | LCSD      |          |
|----------------------------|-----------|-----------|----------|
| Surrogate                  | %Recovery | Qualifier | Limits   |
| 1,4-Difluorobenzene (Surr) | 103       |           | 70 - 130 |

Lab Sample ID: 880-54174-17 MS

Matrix: Solid

Analysis Batch: 102377

Client Sample ID: SB-10 (10-11)

Prep Type: Total/NA

Prep Batch: 102374

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | Limits   |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|----------|
| Benzene             | <0.00139      | U                | 0.0998      | 0.08507   |              | mg/Kg |   | 85   | 70 - 130 |
| Toluene             | <0.00200      | U                | 0.0998      | 0.08430   |              | mg/Kg |   | 84   | 70 - 130 |
| Ethylbenzene        | <0.00109      | U                | 0.0998      | 0.08715   |              | mg/Kg |   | 87   | 70 - 130 |
| m-Xylene & p-Xylene | <0.00229      | U                | 0.200       | 0.1669    |              | mg/Kg |   | 84   | 70 - 130 |
| o-Xylene            | <0.00159      | U                | 0.0998      | 0.08213   |              | mg/Kg |   | 82   | 70 - 130 |

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |

Lab Sample ID: 880-54174-17 MSD

Matrix: Solid

Analysis Batch: 102377

Client Sample ID: SB-10 (10-11)

Prep Type: Total/NA

Prep Batch: 102374

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|----------|-----|-------|
| Benzene             | <0.00139      | U                | 0.0996      | 0.07730    |               | mg/Kg |   | 78   | 70 - 130 | 10  | 35    |
| Toluene             | <0.00200      | U                | 0.0996      | 0.09341    |               | mg/Kg |   | 94   | 70 - 130 | 10  | 35    |
| Ethylbenzene        | <0.00109      | U                | 0.0996      | 0.1077     |               | mg/Kg |   | 108  | 70 - 130 | 21  | 35    |
| m-Xylene & p-Xylene | <0.00229      | U                | 0.199       | 0.1977     |               | mg/Kg |   | 99   | 70 - 130 | 17  | 35    |
| o-Xylene            | <0.00159      | U                | 0.0996      | 0.09616    |               | mg/Kg |   | 97   | 70 - 130 | 16  | 35    |

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 112       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 |

Lab Sample ID: MB 880-102428/39

Matrix: Water

Analysis Batch: 102428

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte             | MB Result | MB Qualifier | RL      | MDL      | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|----------|------|---|----------|----------------|---------|
| Benzene             | <0.00146  | U            | 0.00200 | 0.00146  | mg/L |   |          | 02/11/25 23:38 | 1       |
| Toluene             | <0.000985 | U            | 0.00200 | 0.000985 | mg/L |   |          | 02/11/25 23:38 | 1       |
| Ethylbenzene        | <0.00105  | U            | 0.00200 | 0.00105  | mg/L |   |          | 02/11/25 23:38 | 1       |
| m-Xylene & p-Xylene | <0.00263  | U            | 0.00400 | 0.00263  | mg/L |   |          | 02/11/25 23:38 | 1       |
| o-Xylene            | <0.00111  | U            | 0.00200 | 0.00111  | mg/L |   |          | 02/11/25 23:38 | 1       |
| Xylenes, Total      | <0.00263  | U            | 0.00400 | 0.00263  | mg/L |   |          | 02/11/25 23:38 | 1       |

|                             | MB        | MB        |          |          |                |         |  |  |  |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|--|--|--|
| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |  |  |  |
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 |          | 02/11/25 23:38 | 1       |  |  |  |
| 1,4-Difluorobenzene (Surr)  | 94        |           | 70 - 130 |          | 02/11/25 23:38 | 1       |  |  |  |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-102428/34

Matrix: Water

Analysis Batch: 102428

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|------|---|------|-------------|
| Benzene             | 0.100       | 0.09674    |               | mg/L |   | 97   | 70 - 130    |
| Toluene             | 0.100       | 0.08423    |               | mg/L |   | 84   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.08980    |               | mg/L |   | 90   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1871     |               | mg/L |   | 94   | 70 - 130    |
| o-Xylene            | 0.100       | 0.09394    |               | mg/L |   | 94   | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 95            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 107           |               | 70 - 130 |

Lab Sample ID: LCSD 880-102428/35

Matrix: Water

Analysis Batch: 102428

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.1049      |                | mg/L |   | 105  | 70 - 130    | 8   | 20        |
| Toluene             | 0.100       | 0.09086     |                | mg/L |   | 91   | 70 - 130    | 8   | 20        |
| Ethylbenzene        | 0.100       | 0.09781     |                | mg/L |   | 98   | 70 - 130    | 9   | 20        |
| m-Xylene & p-Xylene | 0.200       | 0.2038      |                | mg/L |   | 102  | 70 - 130    | 9   | 20        |
| o-Xylene            | 0.100       | 0.1029      |                | mg/L |   | 103  | 70 - 130    | 9   | 20        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 99             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 111            |                | 70 - 130 |

Lab Sample ID: 880-54147-H-1 MS

Matrix: Water

Analysis Batch: 102428

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Benzene             | <0.00146      | U                | 0.100       | 0.09246   |              | mg/L |   | 92   | 70 - 130    |
| Toluene             | <0.000985     | U                | 0.100       | 0.08049   |              | mg/L |   | 80   | 70 - 130    |
| Ethylbenzene        | <0.00105      | U                | 0.100       | 0.08931   |              | mg/L |   | 89   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00263      | U                | 0.200       | 0.1842    |              | mg/L |   | 92   | 70 - 130    |
| o-Xylene            | <0.00111      | U                | 0.100       | 0.09476   |              | mg/L |   | 95   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 97           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106          |              | 70 - 130 |

Lab Sample ID: 880-54147-H-1 MSD

Matrix: Water

Analysis Batch: 102428

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

| Analyte      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Benzene      | <0.00146      | U                | 0.100       | 0.09328    |               | mg/L |   | 93   | 70 - 130    | 1   | 25        |
| Toluene      | <0.000985     | U                | 0.100       | 0.08068    |               | mg/L |   | 81   | 70 - 130    | 0   | 25        |
| Ethylbenzene | <0.00105      | U                | 0.100       | 0.08691    |               | mg/L |   | 87   | 70 - 130    | 3   | 25        |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-54147-H-1 MSD

Matrix: Water

Analysis Batch: 102428

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| m-Xylene & p-Xylene         | <0.00263      | U                | 0.200       | 0.1821     |               | mg/L |   | 91   | 70 - 130    | 1   | 25        |
| o-Xylene                    | <0.00111      | U                | 0.100       | 0.09535    |               | mg/L |   | 95   | 70 - 130    | 1   | 25        |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | Limits      |            |               |      |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 101           |                  | 70 - 130    |            |               |      |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 111           |                  | 70 - 130    |            |               |      |   |      |             |     |           |

Lab Sample ID: MB 880-102436/5-A

Matrix: Water

Analysis Batch: 102428

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102436

| Analyte                     | MB MB     |           | RL       | MDL      | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|------|---|----------------|----------------|---------|
|                             | Result    | Qualifier |          |          |      |   |                |                |         |
| Benzene                     | <0.00146  | U         | 0.00200  | 0.00146  | mg/L |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| Toluene                     | <0.000985 | U         | 0.00200  | 0.000985 | mg/L |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| Ethylbenzene                | <0.00105  | U         | 0.00200  | 0.00105  | mg/L |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| m-Xylene & p-Xylene         | <0.00263  | U         | 0.00400  | 0.00263  | mg/L |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| o-Xylene                    | <0.00111  | U         | 0.00200  | 0.00111  | mg/L |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| Xylenes, Total              | <0.00263  | U         | 0.00400  | 0.00263  | mg/L |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
|                             |           |           |          |          |      |   |                |                |         |
| Surrogate                   | MB MB     |           | Limits   |          |      |   | Prepared       | Analyzed       | Dil Fac |
|                             | %Recovery | Qualifier |          |          |      |   |                |                |         |
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 |          |      |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 |          |      |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |

Lab Sample ID: MB 880-103021/5-A

Matrix: Solid

Analysis Batch: 103006

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103021

| Analyte                     | MB        |           | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
|                             | Result    | Qualifier |          |         |       |   |                |                |         |
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 02/18/25 10:17 | 02/18/25 11:17 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 02/18/25 10:17 | 02/18/25 11:17 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 02/18/25 10:17 | 02/18/25 11:17 | 1       |
| m-Xylene & p-Xylene         | <0.00229  | U         | 0.00400  | 0.00229 | mg/Kg |   | 02/18/25 10:17 | 02/18/25 11:17 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg |   | 02/18/25 10:17 | 02/18/25 11:17 | 1       |
| Xylenes, Total              | <0.00229  | U         | 0.00400  | 0.00229 | mg/Kg |   | 02/18/25 10:17 | 02/18/25 11:17 | 1       |
|                             |           |           |          |         |       |   |                |                |         |
| Surrogate                   | MB        |           | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
|                             | %Recovery | Qualifier |          |         |       |   |                |                |         |
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 |         |       |   | 02/18/25 10:17 | 02/18/25 11:17 | 1       |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 |         |       |   | 02/18/25 10:17 | 02/18/25 11:17 | 1       |

Lab Sample ID: LCS 880-103021/1-A

Matrix: Solid

Analysis Batch: 103006

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103021

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1120     |               | mg/Kg |   | 112  | 70 - 130    |
| Toluene             | 0.100       | 0.1077     |               | mg/Kg |   | 108  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.1138     |               | mg/Kg |   | 114  | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2432     |               | mg/Kg |   | 122  | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-103021/1-A

Matrix: Solid

Analysis Batch: 103006

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103021

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| o-Xylene | 0.100       | 0.1179     |               | mg/Kg |   | 118  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 121           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 104           |               | 70 - 130 |

Lab Sample ID: LCSD 880-103021/2-A

Matrix: Solid

Analysis Batch: 103006

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 103021

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-------|
| Benzene             | 0.100       | 0.1066      |                | mg/Kg |   | 107  | 70 - 130    | 5   | 35    |
| Toluene             | 0.100       | 0.1009      |                | mg/Kg |   | 101  | 70 - 130    | 7   | 35    |
| Ethylbenzene        | 0.100       | 0.1075      |                | mg/Kg |   | 107  | 70 - 130    | 6   | 35    |
| m-Xylene & p-Xylene | 0.200       | 0.2260      |                | mg/Kg |   | 113  | 70 - 130    | 7   | 35    |
| o-Xylene            | 0.100       | 0.1083      |                | mg/Kg |   | 108  | 70 - 130    | 8   | 35    |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 107            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 96             |                | 70 - 130 |

Lab Sample ID: 880-54554-A-33-D MS

Matrix: Solid

Analysis Batch: 103006

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 103021

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | <0.00139      | U                | 0.0998      | 0.09855   |              | mg/Kg |   | 99   | 70 - 130    |
| Toluene             | <0.00200      | U                | 0.0998      | 0.09354   |              | mg/Kg |   | 94   | 70 - 130    |
| Ethylbenzene        | <0.00109      | U                | 0.0998      | 0.09522   |              | mg/Kg |   | 95   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00229      | U                | 0.200       | 0.2058    |              | mg/Kg |   | 103  | 70 - 130    |
| o-Xylene            | <0.00159      | U                | 0.0998      | 0.1004    |              | mg/Kg |   | 101  | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 113          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 96           |              | 70 - 130 |

Lab Sample ID: 880-54554-A-33-E MSD

Matrix: Solid

Analysis Batch: 103006

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 103021

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-------|
| Benzene             | <0.00139      | U                | 0.0996      | 0.08425    |               | mg/Kg |   | 85   | 70 - 130    | 16  | 35    |
| Toluene             | <0.00200      | U                | 0.0996      | 0.07996    |               | mg/Kg |   | 80   | 70 - 130    | 16  | 35    |
| Ethylbenzene        | <0.00109      | U                | 0.0996      | 0.07899    |               | mg/Kg |   | 79   | 70 - 130    | 19  | 35    |
| m-Xylene & p-Xylene | <0.00229      | U                | 0.199       | 0.1762     |               | mg/Kg |   | 88   | 70 - 130    | 16  | 35    |
| o-Xylene            | <0.00159      | U                | 0.0996      | 0.08707    |               | mg/Kg |   | 87   | 70 - 130    | 14  | 35    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-54554-A-33-E MSD

Matrix: Solid

Analysis Batch: 103006

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 103021

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-102269/1-A

Matrix: Solid

Analysis Batch: 102245

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102269

| Analyte                              | MB        | MB        |          |      |       |   |                |                |     |     |
|--------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|-----|-----|
|                                      | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil | Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U         | 50.0     | 14.5 | mg/Kg |   | 02/07/25 09:46 | 02/07/25 17:08 | 1   |     |
| Diesel Range Organics (Over C10-C28) | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 02/07/25 09:46 | 02/07/25 17:08 | 1   |     |
| Oil Range Organics (Over C28-C36)    | <15.1     | U         | 50.0     | 15.1 | mg/Kg |   | 02/07/25 09:46 | 02/07/25 17:08 | 1   |     |
| Surrogate                            | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil | Fac |
| 1-Chlorooctane                       | 122       |           | 70 - 130 |      |       |   | 02/07/25 09:46 | 02/07/25 17:08 | 1   |     |
| o-Terphenyl                          | 111       |           | 70 - 130 |      |       |   | 02/07/25 09:46 | 02/07/25 17:08 | 1   |     |

Lab Sample ID: LCS 880-102269/2-A

Matrix: Solid

Analysis Batch: 102245

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102269

| Analyte                              | Spike     | LCS       | LCS       |       |   |      |      |          |  |  |
|--------------------------------------|-----------|-----------|-----------|-------|---|------|------|----------|--|--|
|                                      | Added     | Result    | Qualifier | Unit  | D | %Rec | %Rec | Limits   |  |  |
| Gasoline Range Organics (GRO)-C6-C10 | 1000      | 1159      |           | mg/Kg |   | 116  |      | 70 - 130 |  |  |
| Diesel Range Organics (Over C10-C28) | 1000      | 1064      |           | mg/Kg |   | 106  |      | 70 - 130 |  |  |
| Surrogate                            |           | LCS       | LCS       |       |   |      |      |          |  |  |
|                                      | %Recovery | Qualifier | Limits    |       |   |      |      |          |  |  |
| 1-Chlorooctane                       | 96        |           | 70 - 130  |       |   |      |      |          |  |  |
| o-Terphenyl                          | 85        |           | 70 - 130  |       |   |      |      |          |  |  |

Lab Sample ID: LCSD 880-102269/3-A

Matrix: Solid

Analysis Batch: 102245

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102269

| Analyte                              | Spike     | LCSD      | LCSD      |       |   |      |      |     |       |  |
|--------------------------------------|-----------|-----------|-----------|-------|---|------|------|-----|-------|--|
|                                      | Added     | Result    | Qualifier | Unit  | D | %Rec | %Rec | RPD | Limit |  |
| Gasoline Range Organics (GRO)-C6-C10 | 1000      | 1155      |           | mg/Kg |   | 116  |      | 0   | 20    |  |
| Diesel Range Organics (Over C10-C28) | 1000      | 1033      |           | mg/Kg |   | 103  |      | 3   | 20    |  |
| Surrogate                            |           | LCSD      | LCSD      |       |   |      |      |     |       |  |
|                                      | %Recovery | Qualifier | Limits    |       |   |      |      |     |       |  |
| 1-Chlorooctane                       | 95        |           | 70 - 130  |       |   |      |      |     |       |  |
| o-Terphenyl                          | 85        |           | 70 - 130  |       |   |      |      |     |       |  |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-54174-1 MS

Matrix: Solid

Analysis Batch: 102245

Client Sample ID: SB-01 (20-21)

Prep Type: Total/NA

Prep Batch: 102269

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 996         | 695.1     |              | mg/Kg |   | 70   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 29.8          | J F1             | 996         | 730.3     |              | mg/Kg |   | 70   | 70 - 130    |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |
| 1-Chlorooctane                       | 73            |                  | 70 - 130    |           |              |       |   |      |             |
| o-Terphenyl                          | 62            | S1-              | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 880-54174-1 MSD

Matrix: Solid

Analysis Batch: 102245

Client Sample ID: SB-01 (20-21)

Prep Type: Total/NA

Prep Batch: 102269

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 996         | 772.0      |               | mg/Kg |   | 78   | 70 - 130    | 10  | 20        |
| Diesel Range Organics (Over C10-C28) | 29.8          | J F1             | 996         | 719.2      | F1            | mg/Kg |   | 69   | 70 - 130    | 2   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 73            |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 62            | S1-              | 70 - 130    |            |               |       |   |      |             |     |           |

Lab Sample ID: MB 880-102366/1-A

Matrix: Solid

Analysis Batch: 102365

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102366

| Analyte                              | MB Result    | MB Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5        | U            | 50.0     | 14.5 | mg/Kg |   | 02/10/25 08:51 | 02/10/25 21:43 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1        | U            | 50.0     | 15.1 | mg/Kg |   | 02/10/25 08:51 | 02/10/25 21:43 | 1       |
| Oil Range Organics (Over C28-C36)    | 15.26        | J            | 50.0     | 15.1 | mg/Kg |   | 02/10/25 08:51 | 02/10/25 21:43 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 90           |              | 70 - 130 |      |       |   | 02/10/25 08:51 | 02/10/25 21:43 | 1       |
| o-Terphenyl                          | 97           |              | 70 - 130 |      |       |   | 02/10/25 08:51 | 02/10/25 21:43 | 1       |

Lab Sample ID: LCS 880-102366/2-A

Matrix: Solid

Analysis Batch: 102365

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102366

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 909.8      |               | mg/Kg |   | 91   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 931.0      |               | mg/Kg |   | 93   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-102366/2-A

Matrix: Solid

Analysis Batch: 102365

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102366

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 69        | S1-       | 70 - 130 |
| o-Terphenyl    | 68        | S1-       | 70 - 130 |

Lab Sample ID: LCSD 880-102366/3-A

Matrix: Solid

Analysis Batch: 102365

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102366

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 807.3       |                | mg/Kg |   | 81   | 70 - 130    | 12  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 856.3       |                | mg/Kg |   | 86   | 70 - 130    | 8   | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 71        |           | 70 - 130 |
| o-Terphenyl    | 71        |           | 70 - 130 |

Lab Sample ID: 880-54174-17 MS

Matrix: Solid

Analysis Batch: 102365

Client Sample ID: SB-10 (10-11)

Prep Type: Total/NA

Prep Batch: 102366

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 999         | 884.7     |              | mg/Kg |   | 89   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <15.1         | U F1             | 999         | 557.8     | F1           | mg/Kg |   | 56   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 69        | S1-       | 70 - 130 |
| o-Terphenyl    | 68        | S1-       | 70 - 130 |

Lab Sample ID: 880-54174-17 MSD

Matrix: Solid

Analysis Batch: 102365

Client Sample ID: SB-10 (10-11)

Prep Type: Total/NA

Prep Batch: 102366

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 999         | 906.6      |               | mg/Kg |   | 91   | 70 - 130    | 2   | 20        |
| Diesel Range Organics (Over C10-C28) | <15.1         | U F1             | 999         | 565.4      | F1            | mg/Kg |   | 57   | 70 - 130    | 1   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 69        | S1-       | 70 - 130 |
| o-Terphenyl    | 69        | S1-       | 70 - 130 |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-102636/1-A

Matrix: Solid

Analysis Batch: 102691

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102636

| Analyte                              | MB Result    | MB Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5        | U            | 50.0     | 14.5 | mg/Kg |   | 02/12/25 16:58 | 02/13/25 09:25 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1        | U            | 50.0     | 15.1 | mg/Kg |   | 02/12/25 16:58 | 02/13/25 09:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1        | U            | 50.0     | 15.1 | mg/Kg |   | 02/12/25 16:58 | 02/13/25 09:25 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 108          |              | 70 - 130 |      |       |   | 02/12/25 16:58 | 02/13/25 09:25 | 1       |
| o-Terphenyl                          | 101          |              | 70 - 130 |      |       |   | 02/12/25 16:58 | 02/13/25 09:25 | 1       |

Lab Sample ID: LCS 880-102636/2-A

Matrix: Solid

Analysis Batch: 102691

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102636

| Analyte                              | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|---------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000          | 993.8         |               | mg/Kg |   | 99   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000          | 997.2         |               | mg/Kg |   | 100  | 70 - 130    |
| Surrogate                            | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |             |
| 1-Chlorooctane                       | 82            |               | 70 - 130      |       |   |      |             |
| o-Terphenyl                          | 84            |               | 70 - 130      |       |   |      |             |

Lab Sample ID: LCSD 880-102636/3-A

Matrix: Solid

Analysis Batch: 102691

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102636

| Analyte                              | Spike Added    | LCSD Result    | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|----------------|----------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000           | 822.7          |                | mg/Kg |   | 82   | 70 - 130    | 19  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000           | 846.0          |                | mg/Kg |   | 85   | 70 - 130    | 16  | 20        |
| Surrogate                            | LCSD %Recovery | LCSD Qualifier | Limits         |       |   |      |             |     |           |
| 1-Chlorooctane                       | 83             |                | 70 - 130       |       |   |      |             |     |           |
| o-Terphenyl                          | 85             |                | 70 - 130       |       |   |      |             |     |           |

Lab Sample ID: 890-7663-A-61-B MS

Matrix: Solid

Analysis Batch: 102691

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102636

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U F1             | 998         | 490.8     | F1           | mg/Kg |   | 49   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <15.1         | U F1             | 998         | 535.0     | F1           | mg/Kg |   | 54   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-7663-A-61-B MS

Matrix: Solid

Analysis Batch: 102691

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102636

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 66        | S1-       | 70 - 130 |
| o-Terphenyl    | 65        | S1-       | 70 - 130 |

Lab Sample ID: 890-7663-A-61-C MSD

Matrix: Solid

Analysis Batch: 102691

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102636

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U F1             | 998         | 494.2      | F1            | mg/Kg |   | 50   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <15.1         | U F1             | 998         | 549.7      | F1            | mg/Kg |   | 55   | 70 - 130    | 3   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 68        | S1-       | 70 - 130 |
| o-Terphenyl    | 67        | S1-       | 70 - 130 |

Lab Sample ID: MB 880-102712/1-A

Matrix: Solid

Analysis Batch: 102693

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102712

| Analyte                              | MB Result | MB Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U            | 50.0 | 14.5 | mg/Kg |   | 02/13/25 11:04 | 02/13/25 09:25 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U            | 50.0 | 15.1 | mg/Kg |   | 02/13/25 11:04 | 02/13/25 09:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U            | 50.0 | 15.1 | mg/Kg |   | 02/13/25 11:04 | 02/13/25 09:25 | 1       |

|                | MB        | MB        |          |  |  |  | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| Surrogate      | %Recovery | Qualifier | Limits   |  |  |  |                |                |         |
| 1-Chlorooctane | 91        |           | 70 - 130 |  |  |  | 02/13/25 11:04 | 02/13/25 09:25 | 1       |
| o-Terphenyl    | 82        |           | 70 - 130 |  |  |  | 02/13/25 11:04 | 02/13/25 09:25 | 1       |

Lab Sample ID: LCS 880-102712/2-A

Matrix: Solid

Analysis Batch: 102693

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102712

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1038       |               | mg/Kg |   | 104  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1061       |               | mg/Kg |   | 106  | 70 - 130    |

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 127       |           | 70 - 130 |
| o-Terphenyl    | 125       |           | 70 - 130 |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-102712/3-A

Matrix: Solid

Analysis Batch: 102693

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102712

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 937.9       |                | mg/Kg |   | 94   | 70 - 130    | 10  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 918.3       |                | mg/Kg |   | 92   | 70 - 130    | 14  | 20        |
|                                      |             |             |                |       |   |      |             |     |           |
|                                      | LCSD        | LCSD        |                |       |   |      |             |     |           |
| Surrogate                            | %Recovery   | Qualifier   | Limits         |       |   |      |             |     |           |
| 1-Chlorooctane                       | 117         |             | 70 - 130       |       |   |      |             |     |           |
| o-Terphenyl                          | 109         |             | 70 - 130       |       |   |      |             |     |           |

Lab Sample ID: 890-7666-A-4-E MS

Matrix: Solid

Analysis Batch: 102693

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102712

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 1010        | 805.0     |              | mg/Kg |   | 80   | 70 - 130    |     |           |
| Diesel Range Organics (Over C10-C28) | <15.1         | U                | 1010        | 740.0     |              | mg/Kg |   | 74   | 70 - 130    |     |           |
|                                      |               |                  |             |           |              |       |   |      |             |     |           |
|                                      | MS            | MS               |             |           |              |       |   |      |             |     |           |
| Surrogate                            | %Recovery     | Qualifier        | Limits      |           |              |       |   |      |             |     |           |
| 1-Chlorooctane                       | 96            |                  | 70 - 130    |           |              |       |   |      |             |     |           |
| o-Terphenyl                          | 83            |                  | 70 - 130    |           |              |       |   |      |             |     |           |

Lab Sample ID: 890-7666-A-4-F MSD

Matrix: Solid

Analysis Batch: 102693

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102712

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 1010        | 820.3      |               | mg/Kg |   | 82   | 70 - 130    | 2   | 20        |
| Diesel Range Organics (Over C10-C28) | <15.1         | U                | 1010        | 773.3      |               | mg/Kg |   | 77   | 70 - 130    | 4   | 20        |
|                                      |               |                  |             |            |               |       |   |      |             |     |           |
|                                      | MSD           | MSD              |             |            |               |       |   |      |             |     |           |
| Surrogate                            | %Recovery     | Qualifier        | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 100           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 87            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

Lab Sample ID: MB 880-103038/1-A

Matrix: Solid

Analysis Batch: 103044

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103038

| Analyte                              | MB Result | MB Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U            | 50.0 | 14.5 | mg/Kg |   | 02/18/25 12:21 | 02/19/25 00:54 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U            | 50.0 | 15.1 | mg/Kg |   | 02/18/25 12:21 | 02/19/25 00:54 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U            | 50.0 | 15.1 | mg/Kg |   | 02/18/25 12:21 | 02/19/25 00:54 | 1       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-103038/1-A

Matrix: Solid

Analysis Batch: 103044

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103038

|                | MB        | MB        |          |                |                |         |  |  |  |  |
|----------------|-----------|-----------|----------|----------------|----------------|---------|--|--|--|--|
| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |  |  |  |  |
| 1-Chlorooctane | 100       |           | 70 - 130 | 02/18/25 12:21 | 02/19/25 00:54 | 1       |  |  |  |  |
| o-Terphenyl    | 90        |           | 70 - 130 | 02/18/25 12:21 | 02/19/25 00:54 | 1       |  |  |  |  |

Lab Sample ID: LCS 880-103038/2-A

Matrix: Solid

Analysis Batch: 103044

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103038

| Analyte                              |           |               | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|--------------------------------------|-----------|---------------|-------------|------------|---------------|-------|---|------|-------------|--|--|
| Gasoline Range Organics (GRO)-C6-C10 |           |               | 1000        | 1219       |               | mg/Kg |   | 122  | 70 - 130    |  |  |
| Diesel Range Organics (Over C10-C28) |           |               | 1000        | 1142       |               | mg/Kg |   | 114  | 70 - 130    |  |  |
| Surrogate                            | %Recovery | LCS Qualifier | Limits      |            |               |       |   |      |             |  |  |
| 1-Chlorooctane                       | 135       | S1+           | 70 - 130    |            |               |       |   |      |             |  |  |
| o-Terphenyl                          | 122       |               | 70 - 130    |            |               |       |   |      |             |  |  |

Lab Sample ID: LCSD 880-103038/3-A

Matrix: Solid

Analysis Batch: 103044

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 103038

| Analyte                              |           |                | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-----------|----------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 |           |                | 1000        | 1224        |                | mg/Kg |   | 122  | 70 - 130    | 0   | 20        |
| Diesel Range Organics (Over C10-C28) |           |                | 1000        | 1115        |                | mg/Kg |   | 112  | 70 - 130    | 2   | 20        |
| Surrogate                            | %Recovery | LCSD Qualifier | Limits      |             |                |       |   |      |             |     |           |
| 1-Chlorooctane                       | 135       | S1+            | 70 - 130    |             |                |       |   |      |             |     |           |
| o-Terphenyl                          | 122       |                | 70 - 130    |             |                |       |   |      |             |     |           |

Lab Sample ID: 880-54174-18 MS

Matrix: Solid

Analysis Batch: 103044

Client Sample ID: SB-10 (11-12)

Prep Type: Total/NA

Prep Batch: 103038

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 998         | 986.1     |              | mg/Kg |   | 99   | 70 - 130    |  |  |
| Diesel Range Organics (Over C10-C28) | <15.1         | U                | 998         | 888.6     |              | mg/Kg |   | 89   | 70 - 130    |  |  |
| Surrogate                            | %Recovery     | MS Qualifier     | Limits      |           |              |       |   |      |             |  |  |
| 1-Chlorooctane                       | 107           |                  | 70 - 130    |           |              |       |   |      |             |  |  |
| o-Terphenyl                          | 91            |                  | 70 - 130    |           |              |       |   |      |             |  |  |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-54174-18 MSD

Matrix: Solid

Analysis Batch: 103044

Client Sample ID: SB-10 (11-12)

Prep Type: Total/NA

Prep Batch: 103038

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 998         | 997.4      |               | mg/Kg |   | 100  | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <15.1         | U                | 998         | 857.6      |               | mg/Kg |   | 86   | 70 - 130    | 4   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 105           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 89            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102263/1-A

Matrix: Solid

Analysis Batch: 102273

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395    | U            | 10.0 | 0.395 | mg/Kg |   |          | 02/07/25 16:01 | 1       |

Lab Sample ID: LCS 880-102263/2-A

Matrix: Solid

Analysis Batch: 102273

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 261.5      |               | mg/Kg |   | 105  | 90 - 110    |

Lab Sample ID: LCSD 880-102263/3-A

Matrix: Solid

Analysis Batch: 102273

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 261.6       |                | mg/Kg |   | 105  | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-54174-1 MS

Matrix: Solid

Analysis Batch: 102273

Client Sample ID: SB-01 (20-21)

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 461           |                  | 250         | 690.2     |              | mg/Kg |   | 92   | 90 - 110    |

Lab Sample ID: 880-54174-1 MSD

Matrix: Solid

Analysis Batch: 102273

Client Sample ID: SB-01 (20-21)

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 461           |                  | 250         | 692.2      |               | mg/Kg |   | 93   | 90 - 110    | 0   | 20        |

Eurofins Midland



## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-54174-16 MS

Matrix: Solid

Analysis Batch: 102273

Client Sample ID: SB-10 (9-10)

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 1390          |                  | 251         | 1606      | E 4          | mg/Kg |   | 86   | 90 - 110    |

Lab Sample ID: 880-54174-16 MSD

Matrix: Solid

Analysis Batch: 102273

Client Sample ID: SB-10 (9-10)

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 1390          |                  | 251         | 1601       | E 4           | mg/Kg |   | 83   | 90 - 110    | 0   | 20        |

Lab Sample ID: MB 880-102372/1-A

Matrix: Solid

Analysis Batch: 102376

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395    | U            | 10.0 | 0.395 | mg/Kg |   |          | 02/10/25 15:52 | 1       |

Lab Sample ID: LCS 880-102372/2-A

Matrix: Solid

Analysis Batch: 102376

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 263.3      |               | mg/Kg |   | 105  | 90 - 110    |

Lab Sample ID: LCSD 880-102372/3-A

Matrix: Solid

Analysis Batch: 102376

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 264.6       |                | mg/Kg |   | 106  | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-54174-17 MS

Matrix: Solid

Analysis Batch: 102376

Client Sample ID: SB-10 (10-11)

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 1260          |                  | 251         | 1486      | 4            | mg/Kg |   | 90   | 90 - 110    |

Lab Sample ID: 880-54174-17 MSD

Matrix: Solid

Analysis Batch: 102376

Client Sample ID: SB-10 (10-11)

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 1260          |                  | 251         | 1491       | 4             | mg/Kg |   | 92   | 90 - 110    | 0   | 20        |

Lab Sample ID: MB 880-102548/1-A

Matrix: Solid

Analysis Batch: 102564

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395    | U            | 10.0 | 0.395 | mg/Kg |   |          | 02/12/25 13:00 | 1       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-102548/2-A

Matrix: Solid

Analysis Batch: 102564

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 259.4      |               | mg/Kg |   | 104  | 90 - 110    |

Lab Sample ID: LCSD 880-102548/3-A

Matrix: Solid

Analysis Batch: 102564

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 259.6       |                | mg/Kg |   | 104  | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-54348-A-6-C MS

Matrix: Solid

Analysis Batch: 102564

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 3060          | F1               | 1250        | 5297      | F1           | mg/Kg |   | 179  | 90 - 110    |

Lab Sample ID: 880-54348-A-6-D MSD

Matrix: Solid

Analysis Batch: 102564

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 3060          | F1               | 1250        | 5293       | F1            | mg/Kg |   | 179  | 90 - 110    | 0   | 20        |

Lab Sample ID: MB 880-102690/1-A

Matrix: Solid

Analysis Batch: 102709

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395    | U            | 10.0 | 0.395 | mg/Kg |   |          | 02/13/25 09:03 | 1       |

Lab Sample ID: LCS 880-102690/2-A

Matrix: Solid

Analysis Batch: 102709

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 236.4      |               | mg/Kg |   | 95   | 90 - 110    |

Lab Sample ID: LCSD 880-102690/3-A

Matrix: Solid

Analysis Batch: 102709

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 238.0       |                | mg/Kg |   | 95   | 90 - 110    | 1   | 20        |

Lab Sample ID: 880-54174-20 MS

Matrix: Solid

Analysis Batch: 102709

Client Sample ID: SB-10 (13-14)

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 489           |                  | 253         | 726.1     |              | mg/Kg |   | 94   | 90 - 110    |

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QC Sample Results

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-54174-20 MSD

Client Sample ID: SB-10 (13-14)

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 102709

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 489           |                  | 253         | 742.4      |               | mg/Kg |   | 100  | 90 - 110    | 2   | 20        |



## QC Association Summary

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## GC VOA

## Analysis Batch: 102231

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-54174-1         | SB-01 (20-21)          | Total/NA  | Solid  | 8021B  | 102260     |
| 880-54174-2         | SB-01 (21-22)          | Total/NA  | Solid  | 8021B  | 102260     |
| 880-54174-3         | SB-02 (20-22)          | Total/NA  | Solid  | 8021B  | 102260     |
| 880-54174-4         | SB-03 (20-21)          | Total/NA  | Solid  | 8021B  | 102260     |
| 880-54174-10        | SB-03-DUP (20-21)      | Total/NA  | Solid  | 8021B  | 102260     |
| 880-54174-11        | SB-10 (4-5)            | Total/NA  | Solid  | 8021B  | 102260     |
| 880-54174-12        | SB-10 (5-6)            | Total/NA  | Solid  | 8021B  | 102260     |
| 880-54174-13        | SB-10 (6-7)            | Total/NA  | Solid  | 8021B  | 102260     |
| 880-54174-14        | SB-10 (7-8)            | Total/NA  | Solid  | 8021B  | 102260     |
| 880-54174-15        | SB-10 (8-9)            | Total/NA  | Solid  | 8021B  | 102260     |
| MB 880-102260/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 102260     |
| LCS 880-102260/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 102260     |
| LCSD 880-102260/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 102260     |
| 890-7642-A-1-B MS   | Matrix Spike           | Total/NA  | Solid  | 8021B  | 102260     |
| 890-7642-A-1-C MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 102260     |

## Analysis Batch: 102232

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-54174-16        | SB-10 (9-10)           | Total/NA  | Solid  | 8021B  | 102262     |
| MB 880-102262/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 102262     |
| LCS 880-102262/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 102262     |
| LCSD 880-102262/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 102262     |
| 890-7642-A-21-C MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 102262     |
| 890-7642-A-21-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 102262     |

## Prep Batch: 102260

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-54174-1         | SB-01 (20-21)          | Total/NA  | Solid  | 5035   |            |
| 880-54174-2         | SB-01 (21-22)          | Total/NA  | Solid  | 5035   |            |
| 880-54174-3         | SB-02 (20-22)          | Total/NA  | Solid  | 5035   |            |
| 880-54174-4         | SB-03 (20-21)          | Total/NA  | Solid  | 5035   |            |
| 880-54174-10        | SB-03-DUP (20-21)      | Total/NA  | Solid  | 5035   |            |
| 880-54174-11        | SB-10 (4-5)            | Total/NA  | Solid  | 5035   |            |
| 880-54174-12        | SB-10 (5-6)            | Total/NA  | Solid  | 5035   |            |
| 880-54174-13        | SB-10 (6-7)            | Total/NA  | Solid  | 5035   |            |
| 880-54174-14        | SB-10 (7-8)            | Total/NA  | Solid  | 5035   |            |
| 880-54174-15        | SB-10 (8-9)            | Total/NA  | Solid  | 5035   |            |
| MB 880-102260/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-102260/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-102260/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-7642-A-1-B MS   | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-7642-A-1-C MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 102262

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-54174-16        | SB-10 (9-10)           | Total/NA  | Solid  | 5035   |            |
| MB 880-102262/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-102262/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-102262/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-7642-A-21-C MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-7642-A-21-D MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

Eurofins Midland

## QC Association Summary

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## GC VOA

## Analysis Batch: 102323

| Lab Sample ID | Client Sample ID  | Prep Type | Matrix | Method     | Prep Batch |
|---------------|-------------------|-----------|--------|------------|------------|
| 880-54174-1   | SB-01 (20-21)     | Total/NA  | Solid  | Total BTEX |            |
| 880-54174-2   | SB-01 (21-22)     | Total/NA  | Solid  | Total BTEX |            |
| 880-54174-3   | SB-02 (20-22)     | Total/NA  | Solid  | Total BTEX |            |
| 880-54174-4   | SB-03 (20-21)     | Total/NA  | Solid  | Total BTEX |            |
| 880-54174-10  | SB-03-DUP (20-21) | Total/NA  | Solid  | Total BTEX |            |
| 880-54174-11  | SB-10 (4-5)       | Total/NA  | Solid  | Total BTEX |            |
| 880-54174-12  | SB-10 (5-6)       | Total/NA  | Solid  | Total BTEX |            |
| 880-54174-13  | SB-10 (6-7)       | Total/NA  | Solid  | Total BTEX |            |
| 880-54174-14  | SB-10 (7-8)       | Total/NA  | Solid  | Total BTEX |            |
| 880-54174-15  | SB-10 (8-9)       | Total/NA  | Solid  | Total BTEX |            |
| 880-54174-16  | SB-10 (9-10)      | Total/NA  | Solid  | Total BTEX |            |
| 880-54174-17  | SB-10 (10-11)     | Total/NA  | Solid  | Total BTEX |            |
| 880-54174-18  | SB-10 (11-12)     | Total/NA  | Solid  | Total BTEX |            |
| 880-54174-19  | SB-10 (12-13)     | Total/NA  | Solid  | Total BTEX |            |
| 880-54174-20  | SB-10 (13-14)     | Total/NA  | Solid  | Total BTEX |            |

## Prep Batch: 102374

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-54174-17        | SB-10 (10-11)          | Total/NA  | Solid  | 5035   |            |
| MB 880-102374/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-102374/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-102374/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-54174-17 MS     | SB-10 (10-11)          | Total/NA  | Solid  | 5035   |            |
| 880-54174-17 MSD    | SB-10 (10-11)          | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 102377

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-54174-17        | SB-10 (10-11)          | Total/NA  | Solid  | 8021B  | 102374     |
| MB 880-102374/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 102374     |
| LCS 880-102374/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 102374     |
| LCSD 880-102374/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 102374     |
| 880-54174-17 MS     | SB-10 (10-11)          | Total/NA  | Solid  | 8021B  | 102374     |
| 880-54174-17 MSD    | SB-10 (10-11)          | Total/NA  | Solid  | 8021B  | 102374     |

## Analysis Batch: 102428

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-54174-33       | TB-02                  | Total/NA  | Water  | 8021B  |            |
| MB 880-102428/39   | Method Blank           | Total/NA  | Water  | 8021B  |            |
| MB 880-102436/5-A  | Method Blank           | Total/NA  | Water  | 8021B  | 102436     |
| LCS 880-102428/34  | Lab Control Sample     | Total/NA  | Water  | 8021B  |            |
| LCSD 880-102428/35 | Lab Control Sample Dup | Total/NA  | Water  | 8021B  |            |
| 880-54147-H-1 MS   | Matrix Spike           | Total/NA  | Water  | 8021B  |            |
| 880-54147-H-1 MSD  | Matrix Spike Duplicate | Total/NA  | Water  | 8021B  |            |

## Prep Batch: 102436

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| MB 880-102436/5-A | Method Blank     | Total/NA  | Water  | 5035   |            |

## Analysis Batch: 102739

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-54174-33  | TB-02            | Total/NA  | Water  | Total BTEX |            |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## GC VOA

## Analysis Batch: 103006

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 880-54174-18         | SB-10 (11-12)          | Total/NA  | Solid  | 8021B  | 103021     |
| 880-54174-19         | SB-10 (12-13)          | Total/NA  | Solid  | 8021B  | 103021     |
| 880-54174-20         | SB-10 (13-14)          | Total/NA  | Solid  | 8021B  | 103021     |
| MB 880-103021/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 103021     |
| LCS 880-103021/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 103021     |
| LCSD 880-103021/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 103021     |
| 880-54554-A-33-D MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 103021     |
| 880-54554-A-33-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 103021     |

## Prep Batch: 103021

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 880-54174-18         | SB-10 (11-12)          | Total/NA  | Solid  | 5035   |            |
| 880-54174-19         | SB-10 (12-13)          | Total/NA  | Solid  | 5035   |            |
| 880-54174-20         | SB-10 (13-14)          | Total/NA  | Solid  | 5035   |            |
| MB 880-103021/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-103021/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-103021/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-54554-A-33-D MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-54554-A-33-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## GC Semi VOA

## Analysis Batch: 102245

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-54174-1         | SB-01 (20-21)          | Total/NA  | Solid  | 8015B NM | 102269     |
| 880-54174-10        | SB-03-DUP (20-21)      | Total/NA  | Solid  | 8015B NM | 102269     |
| 880-54174-11        | SB-10 (4-5)            | Total/NA  | Solid  | 8015B NM | 102269     |
| 880-54174-12        | SB-10 (5-6)            | Total/NA  | Solid  | 8015B NM | 102269     |
| 880-54174-14        | SB-10 (7-8)            | Total/NA  | Solid  | 8015B NM | 102269     |
| 880-54174-15        | SB-10 (8-9)            | Total/NA  | Solid  | 8015B NM | 102269     |
| MB 880-102269/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 102269     |
| LCS 880-102269/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 102269     |
| LCSD 880-102269/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 102269     |
| 880-54174-1 MS      | SB-01 (20-21)          | Total/NA  | Solid  | 8015B NM | 102269     |
| 880-54174-1 MSD     | SB-01 (20-21)          | Total/NA  | Solid  | 8015B NM | 102269     |

## Prep Batch: 102269

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-54174-1         | SB-01 (20-21)          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54174-10        | SB-03-DUP (20-21)      | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54174-11        | SB-10 (4-5)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54174-12        | SB-10 (5-6)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54174-14        | SB-10 (7-8)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54174-15        | SB-10 (8-9)            | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-102269/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-102269/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-102269/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54174-1 MS      | SB-01 (20-21)          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54174-1 MSD     | SB-01 (20-21)          | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## GC Semi VOA

## Analysis Batch: 102365

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-54174-17        | SB-10 (10-11)          | Total/NA  | Solid  | 8015B NM | 102366     |
| MB 880-102366/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 102366     |
| LCS 880-102366/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 102366     |
| LCSD 880-102366/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 102366     |
| 880-54174-17 MS     | SB-10 (10-11)          | Total/NA  | Solid  | 8015B NM | 102366     |
| 880-54174-17 MSD    | SB-10 (10-11)          | Total/NA  | Solid  | 8015B NM | 102366     |

## Prep Batch: 102366

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-54174-17        | SB-10 (10-11)          | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-102366/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-102366/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-102366/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54174-17 MS     | SB-10 (10-11)          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54174-17 MSD    | SB-10 (10-11)          | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 102467

| Lab Sample ID | Client Sample ID  | Prep Type | Matrix | Method  | Prep Batch |
|---------------|-------------------|-----------|--------|---------|------------|
| 880-54174-1   | SB-01 (20-21)     | Total/NA  | Solid  | 8015 NM |            |
| 880-54174-2   | SB-01 (21-22)     | Total/NA  | Solid  | 8015 NM |            |
| 880-54174-3   | SB-02 (20-22)     | Total/NA  | Solid  | 8015 NM |            |
| 880-54174-4   | SB-03 (20-21)     | Total/NA  | Solid  | 8015 NM |            |
| 880-54174-10  | SB-03-DUP (20-21) | Total/NA  | Solid  | 8015 NM |            |
| 880-54174-11  | SB-10 (4-5)       | Total/NA  | Solid  | 8015 NM |            |
| 880-54174-12  | SB-10 (5-6)       | Total/NA  | Solid  | 8015 NM |            |
| 880-54174-13  | SB-10 (6-7)       | Total/NA  | Solid  | 8015 NM |            |
| 880-54174-14  | SB-10 (7-8)       | Total/NA  | Solid  | 8015 NM |            |
| 880-54174-15  | SB-10 (8-9)       | Total/NA  | Solid  | 8015 NM |            |
| 880-54174-16  | SB-10 (9-10)      | Total/NA  | Solid  | 8015 NM |            |
| 880-54174-17  | SB-10 (10-11)     | Total/NA  | Solid  | 8015 NM |            |
| 880-54174-18  | SB-10 (11-12)     | Total/NA  | Solid  | 8015 NM |            |
| 880-54174-19  | SB-10 (12-13)     | Total/NA  | Solid  | 8015 NM |            |
| 880-54174-20  | SB-10 (13-14)     | Total/NA  | Solid  | 8015 NM |            |

## Prep Batch: 102636

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-54174-2         | SB-01 (21-22)          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54174-3         | SB-02 (20-22)          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54174-4         | SB-03 (20-21)          | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-102636/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-102636/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-102636/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-7663-A-61-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-7663-A-61-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 102691

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|------------------|-----------|--------|----------|------------|
| 880-54174-2       | SB-01 (21-22)    | Total/NA  | Solid  | 8015B NM | 102636     |
| 880-54174-3       | SB-02 (20-22)    | Total/NA  | Solid  | 8015B NM | 102636     |
| 880-54174-4       | SB-03 (20-21)    | Total/NA  | Solid  | 8015B NM | 102636     |
| MB 880-102636/1-A | Method Blank     | Total/NA  | Solid  | 8015B NM | 102636     |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## GC Semi VOA (Continued)

## Analysis Batch: 102691 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| LCS 880-102636/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 102636     |
| LCSD 880-102636/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 102636     |
| 890-7663-A-61-B MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 102636     |
| 890-7663-A-61-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 102636     |

## Analysis Batch: 102693

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-54174-13        | SB-10 (6-7)            | Total/NA  | Solid  | 8015B NM | 102712     |
| 880-54174-16        | SB-10 (9-10)           | Total/NA  | Solid  | 8015B NM | 102712     |
| MB 880-102712/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 102712     |
| LCS 880-102712/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 102712     |
| LCSD 880-102712/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 102712     |
| 890-7666-A-4-E MS   | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 102712     |
| 890-7666-A-4-F MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 102712     |

## Prep Batch: 102712

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-54174-13        | SB-10 (6-7)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54174-16        | SB-10 (9-10)           | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-102712/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-102712/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-102712/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-7666-A-4-E MS   | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-7666-A-4-F MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 103038

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-54174-18        | SB-10 (11-12)          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54174-19        | SB-10 (12-13)          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54174-20        | SB-10 (13-14)          | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-103038/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-103038/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-103038/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54174-18 MS     | SB-10 (11-12)          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54174-18 MSD    | SB-10 (11-12)          | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 103044

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-54174-18        | SB-10 (11-12)          | Total/NA  | Solid  | 8015B NM | 103038     |
| 880-54174-19        | SB-10 (12-13)          | Total/NA  | Solid  | 8015B NM | 103038     |
| 880-54174-20        | SB-10 (13-14)          | Total/NA  | Solid  | 8015B NM | 103038     |
| MB 880-103038/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 103038     |
| LCS 880-103038/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 103038     |
| LCSD 880-103038/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 103038     |
| 880-54174-18 MS     | SB-10 (11-12)          | Total/NA  | Solid  | 8015B NM | 103038     |
| 880-54174-18 MSD    | SB-10 (11-12)          | Total/NA  | Solid  | 8015B NM | 103038     |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## HPLC/IC

## Leach Batch: 102263

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-54174-1         | SB-01 (20-21)          | Soluble   | Solid  | DI Leach |            |
| 880-54174-2         | SB-01 (21-22)          | Soluble   | Solid  | DI Leach |            |
| 880-54174-3         | SB-02 (20-22)          | Soluble   | Solid  | DI Leach |            |
| 880-54174-4         | SB-03 (20-21)          | Soluble   | Solid  | DI Leach |            |
| 880-54174-10        | SB-03-DUP (20-21)      | Soluble   | Solid  | DI Leach |            |
| 880-54174-11        | SB-10 (4-5)            | Soluble   | Solid  | DI Leach |            |
| 880-54174-12        | SB-10 (5-6)            | Soluble   | Solid  | DI Leach |            |
| 880-54174-13        | SB-10 (6-7)            | Soluble   | Solid  | DI Leach |            |
| 880-54174-14        | SB-10 (7-8)            | Soluble   | Solid  | DI Leach |            |
| 880-54174-15        | SB-10 (8-9)            | Soluble   | Solid  | DI Leach |            |
| 880-54174-16        | SB-10 (9-10)           | Soluble   | Solid  | DI Leach |            |
| MB 880-102263/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-102263/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-102263/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-54174-1 MS      | SB-01 (20-21)          | Soluble   | Solid  | DI Leach |            |
| 880-54174-1 MSD     | SB-01 (20-21)          | Soluble   | Solid  | DI Leach |            |
| 880-54174-16 MS     | SB-10 (9-10)           | Soluble   | Solid  | DI Leach |            |
| 880-54174-16 MSD    | SB-10 (9-10)           | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 102273

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-54174-1         | SB-01 (20-21)          | Soluble   | Solid  | 300.0  | 102263     |
| 880-54174-2         | SB-01 (21-22)          | Soluble   | Solid  | 300.0  | 102263     |
| 880-54174-3         | SB-02 (20-22)          | Soluble   | Solid  | 300.0  | 102263     |
| 880-54174-4         | SB-03 (20-21)          | Soluble   | Solid  | 300.0  | 102263     |
| 880-54174-10        | SB-03-DUP (20-21)      | Soluble   | Solid  | 300.0  | 102263     |
| 880-54174-11        | SB-10 (4-5)            | Soluble   | Solid  | 300.0  | 102263     |
| 880-54174-12        | SB-10 (5-6)            | Soluble   | Solid  | 300.0  | 102263     |
| 880-54174-13        | SB-10 (6-7)            | Soluble   | Solid  | 300.0  | 102263     |
| 880-54174-14        | SB-10 (7-8)            | Soluble   | Solid  | 300.0  | 102263     |
| 880-54174-15        | SB-10 (8-9)            | Soluble   | Solid  | 300.0  | 102263     |
| 880-54174-16        | SB-10 (9-10)           | Soluble   | Solid  | 300.0  | 102263     |
| MB 880-102263/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 102263     |
| LCS 880-102263/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 102263     |
| LCSD 880-102263/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 102263     |
| 880-54174-1 MS      | SB-01 (20-21)          | Soluble   | Solid  | 300.0  | 102263     |
| 880-54174-1 MSD     | SB-01 (20-21)          | Soluble   | Solid  | 300.0  | 102263     |
| 880-54174-16 MS     | SB-10 (9-10)           | Soluble   | Solid  | 300.0  | 102263     |
| 880-54174-16 MSD    | SB-10 (9-10)           | Soluble   | Solid  | 300.0  | 102263     |

## Leach Batch: 102372

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-54174-17        | SB-10 (10-11)          | Soluble   | Solid  | DI Leach |            |
| MB 880-102372/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-102372/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-102372/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-54174-17 MS     | SB-10 (10-11)          | Soluble   | Solid  | DI Leach |            |
| 880-54174-17 MSD    | SB-10 (10-11)          | Soluble   | Solid  | DI Leach |            |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## HPLC/IC

## Analysis Batch: 102376

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-54174-17        | SB-10 (10-11)          | Soluble   | Solid  | 300.0  | 102372     |
| MB 880-102372/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 102372     |
| LCS 880-102372/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 102372     |
| LCSD 880-102372/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 102372     |
| 880-54174-17 MS     | SB-10 (10-11)          | Soluble   | Solid  | 300.0  | 102372     |
| 880-54174-17 MSD    | SB-10 (10-11)          | Soluble   | Solid  | 300.0  | 102372     |

## Leach Batch: 102548

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-54174-18        | SB-10 (11-12)          | Soluble   | Solid  | DI Leach |            |
| 880-54174-19        | SB-10 (12-13)          | Soluble   | Solid  | DI Leach |            |
| MB 880-102548/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-102548/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-102548/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-54348-A-6-C MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 880-54348-A-6-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 102564

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-54174-18        | SB-10 (11-12)          | Soluble   | Solid  | 300.0  | 102548     |
| 880-54174-19        | SB-10 (12-13)          | Soluble   | Solid  | 300.0  | 102548     |
| MB 880-102548/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 102548     |
| LCS 880-102548/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 102548     |
| LCSD 880-102548/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 102548     |
| 880-54348-A-6-C MS  | Matrix Spike           | Soluble   | Solid  | 300.0  | 102548     |
| 880-54348-A-6-D MSD | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 102548     |

## Leach Batch: 102690

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-54174-20        | SB-10 (13-14)          | Soluble   | Solid  | DI Leach |            |
| MB 880-102690/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-102690/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-102690/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-54174-20 MS     | SB-10 (13-14)          | Soluble   | Solid  | DI Leach |            |
| 880-54174-20 MSD    | SB-10 (13-14)          | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 102709

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-54174-20        | SB-10 (13-14)          | Soluble   | Solid  | 300.0  | 102690     |
| MB 880-102690/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 102690     |
| LCS 880-102690/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 102690     |
| LCSD 880-102690/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 102690     |
| 880-54174-20 MS     | SB-10 (13-14)          | Soluble   | Solid  | 300.0  | 102690     |
| 880-54174-20 MSD    | SB-10 (13-14)          | Soluble   | Solid  | 300.0  | 102690     |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

**Client Sample ID: SB-01 (20-21)****Lab Sample ID: 880-54174-1****Date Collected: 02/06/25 00:00****Matrix: Solid****Date Received: 02/07/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 102260       | 02/07/25 10:31       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102231       | 02/07/25 16:00       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102323       | 02/07/25 16:00       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102467       | 02/07/25 17:51       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 102269       | 02/07/25 09:47       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102245       | 02/07/25 17:51       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 102263       | 02/07/25 09:09       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102273       | 02/07/25 16:20       | SMC     | EET MID |

**Client Sample ID: SB-01 (21-22)****Lab Sample ID: 880-54174-2****Date Collected: 02/06/25 00:00****Matrix: Solid****Date Received: 02/07/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 102260       | 02/07/25 10:31       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102231       | 02/07/25 16:21       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102323       | 02/07/25 16:21       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102467       | 02/13/25 13:25       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 102636       | 02/12/25 16:58       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102691       | 02/13/25 13:25       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.97 g         | 50 mL        | 102263       | 02/07/25 09:09       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102273       | 02/07/25 16:38       | SMC     | EET MID |

**Client Sample ID: SB-02 (20-22)****Lab Sample ID: 880-54174-3****Date Collected: 02/06/25 00:00****Matrix: Solid****Date Received: 02/07/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 102260       | 02/07/25 10:31       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102231       | 02/07/25 16:41       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102323       | 02/07/25 16:41       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102467       | 02/13/25 13:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 102636       | 02/12/25 16:58       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102691       | 02/13/25 13:41       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 102263       | 02/07/25 09:09       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102273       | 02/07/25 16:44       | SMC     | EET MID |

**Client Sample ID: SB-03 (20-21)****Lab Sample ID: 880-54174-4****Date Collected: 02/06/25 00:00****Matrix: Solid****Date Received: 02/07/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 102260       | 02/07/25 10:31       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102231       | 02/07/25 17:02       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102323       | 02/07/25 17:02       | AJ      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

**Client Sample ID: SB-03 (20-21)****Lab Sample ID: 880-54174-4****Date Collected: 02/06/25 00:00****Matrix: Solid****Date Received: 02/07/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102467       | 02/13/25 13:56       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 102636       | 02/12/25 16:58       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102691       | 02/13/25 13:56       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 102263       | 02/07/25 09:09       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102273       | 02/07/25 16:50       | SMC     | EET MID |

**Client Sample ID: SB-03-DUP (20-21)****Lab Sample ID: 880-54174-10****Date Collected: 02/06/25 00:00****Matrix: Solid****Date Received: 02/07/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 102260       | 02/07/25 10:31       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102231       | 02/07/25 17:22       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102323       | 02/07/25 17:22       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102467       | 02/07/25 19:17       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 102269       | 02/07/25 09:47       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102245       | 02/07/25 19:17       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 102263       | 02/07/25 09:09       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102273       | 02/07/25 16:56       | SMC     | EET MID |

**Client Sample ID: SB-10 (4-5)****Lab Sample ID: 880-54174-11****Date Collected: 02/06/25 00:00****Matrix: Solid****Date Received: 02/07/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 102260       | 02/07/25 10:31       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102231       | 02/07/25 17:43       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102323       | 02/07/25 17:43       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102467       | 02/07/25 19:31       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 102269       | 02/07/25 09:47       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102245       | 02/07/25 19:31       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 102263       | 02/07/25 09:09       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102273       | 02/07/25 17:14       | SMC     | EET MID |

**Client Sample ID: SB-10 (5-6)****Lab Sample ID: 880-54174-12****Date Collected: 02/06/25 00:00****Matrix: Solid****Date Received: 02/07/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 102260       | 02/07/25 10:31       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102231       | 02/07/25 18:04       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102323       | 02/07/25 18:04       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102467       | 02/07/25 19:47       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 102269       | 02/07/25 09:47       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102245       | 02/07/25 19:47       | TKC     | EET MID |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

Client Sample ID: SB-10 (5-6)

Lab Sample ID: 880-54174-12

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 102263       | 02/07/25 09:09       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102273       | 02/07/25 17:21       | SMC     | EET MID |

Client Sample ID: SB-10 (6-7)

Lab Sample ID: 880-54174-13

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 102260       | 02/07/25 10:31       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102231       | 02/07/25 18:24       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102323       | 02/07/25 18:24       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102467       | 02/13/25 13:25       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 9.95 g         | 10 mL        | 102712       | 02/13/25 12:52       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102693       | 02/13/25 13:25       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 102263       | 02/07/25 09:09       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102273       | 02/07/25 17:27       | SMC     | EET MID |

Client Sample ID: SB-10 (7-8)

Lab Sample ID: 880-54174-14

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 102260       | 02/07/25 10:31       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102231       | 02/07/25 18:45       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102323       | 02/07/25 18:45       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102467       | 02/07/25 20:16       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 102269       | 02/07/25 09:47       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102245       | 02/07/25 20:16       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 102263       | 02/07/25 09:09       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102273       | 02/07/25 17:33       | SMC     | EET MID |

Client Sample ID: SB-10 (8-9)

Lab Sample ID: 880-54174-15

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 102260       | 02/07/25 10:31       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102231       | 02/07/25 19:05       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102323       | 02/07/25 19:05       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102467       | 02/07/25 20:30       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 102269       | 02/07/25 09:47       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102245       | 02/07/25 20:30       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 102263       | 02/07/25 09:09       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102273       | 02/07/25 17:39       | SMC     | EET MID |

Eurofins Midland

## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

**Client Sample ID: SB-10 (9-10)****Lab Sample ID: 880-54174-16****Date Collected: 02/06/25 00:00****Matrix: Solid****Date Received: 02/07/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 102262       | 02/07/25 10:33       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102232       | 02/07/25 12:43       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102323       | 02/07/25 12:43       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102467       | 02/13/25 13:41       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 102712       | 02/13/25 12:52       | TKC     | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102693       | 02/13/25 13:41       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.99 g         | 50 mL        | 102263       | 02/07/25 09:09       | SMC     | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102273       | 02/07/25 17:45       | SMC     | EET MID |

**Client Sample ID: SB-10 (10-11)****Lab Sample ID: 880-54174-17****Date Collected: 02/06/25 00:00****Matrix: Solid****Date Received: 02/07/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 102374       | 02/10/25 11:30       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102377       | 02/10/25 15:59       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102323       | 02/10/25 15:59       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102467       | 02/10/25 22:45       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 102366       | 02/10/25 08:51       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102365       | 02/10/25 22:45       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 102372       | 02/10/25 11:11       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102376       | 02/10/25 16:11       | SMC     | EET MID |

**Client Sample ID: SB-10 (11-12)****Lab Sample ID: 880-54174-18****Date Collected: 02/06/25 00:00****Matrix: Solid****Date Received: 02/07/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 103021       | 02/18/25 11:15       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 103006       | 02/18/25 16:17       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102323       | 02/18/25 16:17       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102467       | 02/19/25 01:38       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 103038       | 02/18/25 12:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 103044       | 02/19/25 01:38       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 102548       | 02/12/25 09:00       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 102564       | 02/12/25 15:51       | CH      | EET MID |

**Client Sample ID: SB-10 (12-13)****Lab Sample ID: 880-54174-19****Date Collected: 02/06/25 00:00****Matrix: Solid****Date Received: 02/07/25 08:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 103021       | 02/18/25 11:15       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 103006       | 02/18/25 16:37       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102323       | 02/18/25 16:37       | AJ      | EET MID |

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## Lab Chronicle

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

## Client Sample ID: SB-10 (12-13)

## Lab Sample ID: 880-54174-19

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102467       | 02/19/25 02:23       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 103038       | 02/18/25 12:21       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 103044       | 02/19/25 02:23       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 102548       | 02/12/25 09:00       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 102564       | 02/12/25 15:57       | CH      | EET MID |

## Client Sample ID: SB-10 (13-14)

## Lab Sample ID: 880-54174-20

Date Collected: 02/06/25 00:00

Matrix: Solid

Date Received: 02/07/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 103021       | 02/18/25 11:15       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 103006       | 02/18/25 16:58       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102323       | 02/18/25 16:58       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102467       | 02/19/25 02:37       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 103038       | 02/18/25 12:22       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 103044       | 02/19/25 02:37       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 102690       | 02/13/25 08:10       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102709       | 02/13/25 11:14       | CH      | EET MID |

## Client Sample ID: TB-02

## Lab Sample ID: 880-54174-33

Date Collected: 02/06/25 00:00

Matrix: Water

Date Received: 02/07/25 08:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/12/25 00:21       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102739       | 02/12/25 00:21       | AJ      | EET MID |

## Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |
| Total BTEX                                                                                                                                                                                            |             | Water                 | Total BTEX      |

Method Summary

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5030B       | Purge and Trap                     | SW846    | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

## Sample Summary

Client: AECOM  
Project/Site: Amoco Fed. 11 CTB

Job ID: 880-54174-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID  | Matrix | Collected      | Received       | Depth |
|---------------|-------------------|--------|----------------|----------------|-------|
| 880-54174-1   | SB-01 (20-21)     | Solid  | 02/06/25 00:00 | 02/07/25 08:00 | 20-21 |
| 880-54174-2   | SB-01 (21-22)     | Solid  | 02/06/25 00:00 | 02/07/25 08:00 | 21-22 |
| 880-54174-3   | SB-02 (20-22)     | Solid  | 02/06/25 00:00 | 02/07/25 08:00 | 20-22 |
| 880-54174-4   | SB-03 (20-21)     | Solid  | 02/06/25 00:00 | 02/07/25 08:00 | 20-21 |
| 880-54174-10  | SB-03-DUP (20-21) | Solid  | 02/06/25 00:00 | 02/07/25 08:00 | 20-21 |
| 880-54174-11  | SB-10 (4-5)       | Solid  | 02/06/25 00:00 | 02/07/25 08:00 | 4-5   |
| 880-54174-12  | SB-10 (5-6)       | Solid  | 02/06/25 00:00 | 02/07/25 08:00 | 5-6   |
| 880-54174-13  | SB-10 (6-7)       | Solid  | 02/06/25 00:00 | 02/07/25 08:00 | 6-7   |
| 880-54174-14  | SB-10 (7-8)       | Solid  | 02/06/25 00:00 | 02/07/25 08:00 | 7-8   |
| 880-54174-15  | SB-10 (8-9)       | Solid  | 02/06/25 00:00 | 02/07/25 08:00 | 8-9   |
| 880-54174-16  | SB-10 (9-10)      | Solid  | 02/06/25 00:00 | 02/07/25 08:00 | 9-10  |
| 880-54174-17  | SB-10 (10-11)     | Solid  | 02/06/25 00:00 | 02/07/25 08:00 | 10-11 |
| 880-54174-18  | SB-10 (11-12)     | Solid  | 02/06/25 00:00 | 02/07/25 08:00 | 11-12 |
| 880-54174-19  | SB-10 (12-13)     | Solid  | 02/06/25 00:00 | 02/07/25 08:00 | 12-13 |
| 880-54174-20  | SB-10 (13-14)     | Solid  | 02/06/25 00:00 | 02/07/25 08:00 | 13-14 |
| 880-54174-33  | TB-02             | Water  | 02/06/25 00:00 | 02/07/25 08:00 |       |





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## Environment Testing

Work 880-54174 Chain of Custody

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|                                   |  |                             |  |
|-----------------------------------|--|-----------------------------|--|
| Project Manager: Brad Wynne       |  | Bill to: (if different)     |  |
| Company Name: AECOM               |  | Company Name:               |  |
| Address: 13355 Nobe Rd. Suite 400 |  | Address:                    |  |
| City, State ZIP: Dallas, TX 75240 |  | City, State ZIP:            |  |
| Phone: 214-971-1829               |  | Email: Brad.Wynne@AECOM.COM |  |

|                                 |  |                                                                           |  |
|---------------------------------|--|---------------------------------------------------------------------------|--|
| Project Name: Amoco Fed. 11 CTB |  | Turn Around                                                               |  |
| Project Number: 60743624        |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |
| Project Location: Loving, NM    |  | Due Date: 3/27/25                                                         |  |
| Sampler's Name: James Lovey     |  | TAT starts the day received by the lab, if received by 4:30pm             |  |
| PO #:                           |  |                                                                           |  |

| SAMPLE RECEIPT           |                        |        |                        | Parameters |             | Preservative Codes                                                |                            |
|--------------------------|------------------------|--------|------------------------|------------|-------------|-------------------------------------------------------------------|----------------------------|
| Samples Received Intact: | Temp Blank:            | Yes No | Wet Ice:               | Yes No     | Freeze Code | None: NO                                                          | DI Water: H <sub>2</sub> O |
| Cooler Custody Seals:    | Thermometer ID:        | Yes No | Thermometer ID:        | Yes No     |             | Cool: Cool                                                        | MeOH: Me                   |
| Sample Custody Seals:    | Correction Factor:     | Yes No | Correction Factor:     | Yes No     |             | HCL: HC                                                           | HNO <sub>3</sub>           |
| Total Containers:        | Temperature Reading:   | Yes No | Temperature Reading:   | Yes No     |             | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
|                          | Corrected Temperature: | Yes No | Corrected Temperature: | Yes No     |             | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
|                          |                        | Yes No |                        | Yes No     |             | NaHSO <sub>4</sub> : NABIS                                        |                            |
|                          |                        | Yes No |                        | Yes No     |             | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
|                          |                        | Yes No |                        | Yes No     |             | Zn Acetate+NaOH: Zn                                               |                            |
|                          |                        | Yes No |                        | Yes No     |             | NaOH+Ascorbic Acid: SAPC                                          |                            |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Analysis Request  | Preservative Codes | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-------------------|--------------------|-----------------|
| SB-01 (20-21)         | Sal    | 2/6/25       | 0955         | 20-21 | G         | 1         | X BTX - 3 day TAT |                    |                 |
| SB-01 (21-22)         |        |              | 1000         | 21-22 | G         | 1         | X TPH - 3 day TAT |                    |                 |
| SB-02 (20-22)         |        |              | 1005         | 20-22 |           | 1         | X                 |                    |                 |
| SB-03 (20-21)         |        |              | 1008         | 20-21 |           | 1         | X                 |                    |                 |
| SB-03 (21-22)         |        |              | 1010         | 21-22 |           | 1         | X                 |                    | Hold            |
| SB-03 (22-23)         |        |              | 1012         | 22-23 |           | 1         | X                 |                    | Hold            |
| SB-03 (23-24)         |        |              | 1014         | 23-24 |           | 1         | X                 |                    | Hold            |
| SB-03 (24-25)         |        |              | 1016         | 24-25 |           | 1         | X                 |                    | Hold            |
| SB-03 (25-26)         |        |              | 1018         | 25-26 |           | 1         | X                 |                    | Hold            |
| SB-03-Dup (20-21)     |        |              | 1008         | 20-21 | ↓         | 1         | X                 |                    | Hold            |

|                                              |               |                                                                                                       |                                                                                               |
|----------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM Texas 11                                                                                  | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |                                                                                               |

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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time                | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------------------|------------------------------|--------------------------|-----------|
| 1 <i>[Signature]</i>         | <i>[Signature]</i>       | 2/6/25 1500 <sup>2</sup> |                              |                          |           |
| 3                            |                          |                          |                              |                          |           |
| 5                            |                          |                          |                              |                          |           |

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## Environment Testing

Work Order No: \_\_\_\_\_

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|                                   |  |                                |  |                                                                                                                                                                                  |  |
|-----------------------------------|--|--------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Project Manager: Brad Wynne       |  | Bill to: (if different)        |  | Work Order Comments                                                                                                                                                              |  |
| Company Name: AELOM               |  | Company Name:                  |  | Program: <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>              |  |
| Address: 13355 Noel Rd. Suite 400 |  | Address:                       |  | State of Project:                                                                                                                                                                |  |
| City, State ZIP: Dallas, TX 75240 |  | City, State ZIP:               |  | Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Phone: 214-971-1829               |  | Email: Bradley.Wynne@AELOM.com |  | Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                                 |  |

| Project Name: Amco Feb 11 CTB |  | Turn Around                                                               |  | Preservative Codes                                                |  |
|-------------------------------|--|---------------------------------------------------------------------------|--|-------------------------------------------------------------------|--|
| Project Number: 60743624      |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  | None: NO                                                          |  |
| Project Location: Loving, NM  |  | Due Date: 3 Day                                                           |  | Cool: Cool                                                        |  |
| Sampler's Name: James Lovey   |  | TAT starts the day received by the lab, if received by 4:30pm             |  | HCL: HC                                                           |  |
| PO #:                         |  |                                                                           |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   |  |
| SAMPLE RECEIPT                |  | Temp Blank: Yes No                                                        |  | H <sub>3</sub> PO <sub>4</sub> : HP                               |  |
| Samples Received Intact:      |  | Yes No                                                                    |  | NaHSO <sub>4</sub> : NABIS                                        |  |
| Cooler Custody Seals:         |  | Yes No N/A                                                                |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |  |
| Sample Custody Seals:         |  | Yes No N/A                                                                |  | Zn Acetate+NaOH: Zn                                               |  |
| Total Containers:             |  | Corrected Temperature:                                                    |  | NaOH+Ascorbic Acid: SAPC                                          |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters | ANALYSIS REQUEST | Preservative Codes | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------|------------------|--------------------|-----------------|
| SB-10 (4-5)           | Soil   | 2/6/25       | 1045         | 4-5   | G         | 1         |            |                  |                    |                 |
| SB-10 (5-6)           |        |              | 1048         | 5-6   |           | 1         |            |                  |                    |                 |
| SB-10 (6-7)           |        |              | 1051         | 6-7   |           | 1         |            |                  |                    |                 |
| SB-10 (7-8)           |        |              | 1054         | 7-8   |           | 1         |            |                  |                    |                 |
| SB-10 (8-9)           |        |              | 1057         | 8-9   |           | 1         |            |                  |                    |                 |
| SB-10 (9-10)          |        |              | 1100         | 9-10  |           | 1         |            |                  |                    |                 |
| SB-10 (10-11)         |        |              | 1300         | 10-11 |           | 1         |            |                  |                    |                 |
| SB-10 (11-12)         |        |              | 1303         | 11-12 |           | 1         |            |                  |                    |                 |
| SB-10 (12-13)         |        |              | 1306         | 12-13 |           | 1         |            |                  |                    |                 |
| SB-10 (13-14)         |        |              | 1309         | 13-14 | ✓         | 1         |            |                  |                    |                 |

|                                              |  |                                                                        |  |                                                                                                                    |  |
|----------------------------------------------|--|------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|--|
| Total 200.7 / 6010                           |  | 200.8 / 6020:                                                          |  | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |  |
| Circle Method(s) and Metal(s) to be analyzed |  | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U |  | Hg: 1631 / 245.1 / 7470 / 7471                                                                                     |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |             |                              |                          |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
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| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| 1 <i>[Signature]</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          | 2/6/25 1500 |                              |                          |           |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                          |             |                              |                          |           |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                          |             |                              |                          |           |

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## Chain of Custody

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## Environment Testing

Work Order No: \_\_\_\_\_

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|                                   |  |                             |  |                                                                                                                                                                                  |  |
|-----------------------------------|--|-----------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Project Manager: Brad Wynne       |  | Bill to: (if different)     |  | Work Order Comments                                                                                                                                                              |  |
| Company Name: AECOM               |  | Company Name:               |  | Program: <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>              |  |
| Address: 13355 Noel Rd. Suite 400 |  | Address:                    |  | State of Project:                                                                                                                                                                |  |
| City, State ZIP: Dallas, TX 75240 |  | City, State ZIP:            |  | Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Phone: 214-971-1829               |  | Email: Brad.Wynne@AECOM.COM |  | Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                                 |  |

|                                |  |                                                                           |  |                  |  |                                                          |  |
|--------------------------------|--|---------------------------------------------------------------------------|--|------------------|--|----------------------------------------------------------|--|
| Project Name: Amoco Fed 11 CTB |  | Turn Around                                                               |  | ANALYSIS REQUEST |  | Preservative Codes                                       |  |
| Project Number: 60743624       |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |                  |  | None: NO DI Water: H <sub>2</sub> O                      |  |
| Project Location: Loving, NM   |  | Due Date: 3 Day                                                           |  |                  |  | Cool: Cool MeOH: Me                                      |  |
| Sampler's Name: James Lorey    |  | TAT starts the day received by the lab, if received by 4:30pm             |  |                  |  | HCL: HC HNO <sub>3</sub>                                 |  |
| PO #:                          |  |                                                                           |  |                  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na |  |

| SAMPLE RECEIPT           |  | Temp Blank: |  | Yes No          |  | Wet Ice: |  | Yes No                 |  |
|--------------------------|--|-------------|--|-----------------|--|----------|--|------------------------|--|
| Samples Received Intact: |  | Yes No      |  | Thermometer ID: |  | Yes No   |  | Correction Factor:     |  |
| Cooler Custody Seals:    |  | Yes No      |  | N/A             |  | Yes No   |  | Temperature Reading:   |  |
| Sample Custody Seals:    |  | Yes No      |  | N/A             |  | Yes No   |  | Corrected Temperature: |  |
| Total Containers:        |  |             |  |                 |  |          |  |                        |  |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters | Free Code | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------|-----------|-----------------|
| SB-10 (14-15)         | 50:1   | 2/6/25       | 1312         | 14-15 | G         | 1         | TOX        |           | Hold            |
| SB-10 (15-16)         |        |              | 1315         | 15-16 |           | 1         | TOX        |           | Hold            |
| SB-10 (16-17)         |        |              | 1318         | 16-17 |           | 1         | TOX        |           | Hold            |
| SB-10 (17-18)         |        |              | 1321         | 17-18 |           | 1         | TOX        |           | Hold            |
| SB-10 (18-19)         |        |              | 1324         | 18-19 |           | 1         | TOX        |           | Hold            |
| SB-10 (19-20)         |        |              | 1327         | 19-20 |           | 1         | TOX        |           | Hold            |
| SB-10 (20-21)         |        |              | 1330         | 20-21 |           | 1         | TOX        |           | Hold            |
| SB-10 (21-22)         |        |              | 1345         | 21-22 |           | 1         | TOX        |           | Hold            |
| SB-10 (22-23)         |        |              | 1348         | 22-23 |           | 1         | TOX        |           | Hold            |
| SB-10 (23-24)         |        |              | 1351         | 23-24 |           | 1         | TOX        |           | Hold            |

|                                              |  |                                                                                                                    |  |
|----------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|--|
| Total 200.7 / 6010 200.8 / 6020:             |  | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |  |
| Circle Method(s) and Metal(s) to be analyzed |  | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471              |  |

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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time   | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|-------------|------------------------------|--------------------------|-----------|
| 1 <i>[Signature]</i>         |                          | 2/6/25 1500 |                              |                          |           |
| 3                            |                          |             |                              |                          |           |
| 5                            |                          |             |                              |                          |           |

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## Environment Testing

**Work Order No:**

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                      |  |                              |  |                          |  |                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                  |  |                                                                                                                                                                                                                                                                                                         |  |                                 |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|--|------------------------------|--|--------------------------|--|--------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------|--|--|--|
| Project Manager: Brad Wyane<br>Company Name: AECOM<br>Address: 13355 Noel Rd. Suite 400<br>City, State ZIP: Dallas, TX 75240<br>Phone: 214-971-1829<br>Email: Bradley.Wyane@AECOM.com                                                                                                                                                                                                                                                                                                                                      |  | Bill to: (if different)<br>Company Name:<br>Address:<br>City, State ZIP:                                                                                                     |  | Work Order Comments<br>Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/><br>State of Project:<br>Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/AUST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/><br>Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: |  |                                      |  |                              |  |                          |  |                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                  |  |                                                                                                                                                                                                                                                                                                         |  |                                 |  |  |  |
| Project Name: Amoco Fed. 11 QTB<br>Project Number: 60743624<br>Project Location: Loving, NM<br>Sampler's Name: James Lorely<br>PO #:<br>SAMPLE RECEIPT<br>Samples Received Intact: Yes No Thermometer ID:<br>Cooler Custody Seals: Yes No N/A Correction Factor:<br>Sample Custody Seals: Yes No N/A Temperature Reading:<br>Total Containers:<br>Temp Blank: Yes No Wet Ice: Yes No<br>Yes No Thermometer ID:<br>Yes No N/A Correction Factor:<br>Yes No N/A Temperature Reading:<br>Corrected Temperature:<br>Parameters |  | Turn Around<br><input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush<br>Due Date: 3 Day<br>TAT starts the day received by the lab, if received by 4:30pm |  | ANALYSIS REQUEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                      |  |                              |  |                          |  |                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                  |  |                                                                                                                                                                                                                                                                                                         |  |                                 |  |  |  |
| Sample Identification<br>58B-10 (24-25)<br>58-10 (25-26)<br>TB-02                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Matrix<br>Soil<br>Soil<br>W                                                                                                                                                  |  | Date Sampled<br>2/6/25<br>2/6/25<br>—                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | Time Sampled<br>1354<br>1357<br>1400 |  | Depth<br>24-25<br>25-26<br>— |  | Grab/Comp<br>G<br>G<br>G |  | # of Cont<br>1<br>1<br>2 |  | Pres. Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | ANALYSIS REQUEST |  | Preservative Codes<br>None: NO<br>Cool: Cool<br>HCL: HC<br>H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub><br>H <sub>3</sub> PO <sub>4</sub> : HP<br>NaHSO <sub>4</sub> : NABIS<br>Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub><br>Zn Acetate+NaOH: Zn<br>NaOH+Ascorbic Acid: SAPC |  | Sample Comments<br>Hold<br>Hold |  |  |  |
| Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn<br>Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471                                                                                                                                                                                                                  |  |                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                      |  |                              |  |                          |  |                          |  | Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xanco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xanco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xanco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xanco, but not analyzed. These terms will be enforced unless previously negotiated. |  |                  |  |                                                                                                                                                                                                                                                                                                         |  |                                 |  |  |  |
| Relinquished by: (Signature)<br>1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Received by: (Signature)                                                                                                                                                     |  | Date/Time<br>2/6/25 1500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | Relinquished by: (Signature)         |  | Received by: (Signature)     |  | Date/Time                |  |                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                  |  |                                                                                                                                                                                                                                                                                                         |  |                                 |  |  |  |

## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-54174-1

SDG Number: Loving, NM

Login Number: 54174

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 2/13/2025 11:24:17 AM Revision 1

## JOB DESCRIPTION

AMOCO Fed 11 CTB  
Loving NM

## JOB NUMBER

880-54279-2

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Generated  
2/13/2025 11:24:17 AM  
Revision 1

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Laboratory Job ID: 880-54279-2  
SDG: Loving NM

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Definitions/Glossary

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| F2        | MS/MSD RPD exceeds control limits                        |
| U         | Indicates the analyte was analyzed for but not detected. |

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: AMOCO Fed 11 CTB

Job ID: 880-54279-2

**Job ID: 880-54279-2**

**Eurofins Midland**

### Job Narrative 880-54279-2

#### REVISION

The report being provided is a revision of the original report sent on 2/13/2025. The report (revision 1) is being revised due to Per client email, requesting to see TPH report to RL.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### **Receipt**

The samples were received on 2/10/2025 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C.

#### **GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### **Diesel Range Organics**

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-102393 and analytical batch 880-102417 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD\_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-102438 and analytical batch 880-102536 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### **HPLC/IC**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

## Client Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

Client Sample ID: SB-07 (20-21)

Lab Sample ID: 880-54279-1

Date Collected: 02/09/25 09:45

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:37 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:37 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:37 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:37 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00200 | 0.00159 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:37 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:37 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 | 02/11/25 08:59 | 02/11/25 11:37 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 | 02/11/25 08:59 | 02/11/25 11:37 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   |          | 02/11/25 11:37 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/12/25 20:05 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U F2      | 50.0 |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 20:05 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 20:05 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 20:05 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 92        |           | 70 - 130 | 02/11/25 09:16 | 02/12/25 20:05 | 1       |
| o-Terphenyl    | 96        |           | 70 - 130 | 02/11/25 09:16 | 02/12/25 20:05 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 277    |           | 9.92 | 0.392 | mg/Kg |   |          | 02/11/25 10:32 | 1       |

Client Sample ID: SB-08 (20-21)

Lab Sample ID: 880-54279-6

Date Collected: 02/09/25 11:50

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00199 | 0.00139 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:58 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:58 | 1       |
| Ethylbenzene        | <0.00108 | U         | 0.00199 | 0.00108 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:58 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:58 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00199 | 0.00158 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:58 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:58 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 | 02/11/25 08:59 | 02/11/25 11:58 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98        |           | 70 - 130 | 02/11/25 08:59 | 02/11/25 11:58 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

Client Sample ID: SB-08 (20-21)

Lab Sample ID: 880-54279-6

Date Collected: 02/09/25 11:50

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg |   |          | 02/11/25 11:58 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/12/25 21:06 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 21:06 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 21:06 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 21:06 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 94        |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/12/25 21:06 | 1       |
| o-Terphenyl                          | 96        |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/12/25 21:06 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 214    |           | 9.92 | 0.392 | mg/Kg |   |          | 02/11/25 10:51 | 1       |

Client Sample ID: SB-09 (5-10)

Lab Sample ID: 880-54279-14

Date Collected: 02/10/25 09:00

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00138  | U         | 0.00199  | 0.00138 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:18 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:18 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:18 | 1       |
| m-Xylene & p-Xylene         | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:18 | 1       |
| o-Xylene                    | <0.00157  | U         | 0.00199  | 0.00157 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:18 | 1       |
| Xylenes, Total              | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:18 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 |         |       |   | 02/11/25 08:59 | 02/11/25 12:18 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 |         |       |   | 02/11/25 08:59 | 02/11/25 12:18 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg |   |          | 02/11/25 12:18 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/12/25 21:27 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 21:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 21:27 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

## Client Sample ID: SB-09 (5-10)

## Lab Sample ID: 880-54279-14

Date Collected: 02/10/25 09:00

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.8     | U         | 49.8     |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 21:27 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 100       |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/12/25 21:27 | 1       |
| o-Terphenyl                       | 103       |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/12/25 21:27 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 434    |           | 10.1 | 0.399 | mg/Kg |   |          | 02/11/25 10:57 | 1       |

## Client Sample ID: SB-09 (10-15)

## Lab Sample ID: 880-54279-15

Date Collected: 02/10/25 09:05

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:39 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:39 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:39 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:39 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:39 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:39 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 98        |           | 70 - 130 |         |       |   | 02/11/25 08:59 | 02/11/25 12:39 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 |         |       |   | 02/11/25 08:59 | 02/11/25 12:39 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 02/11/25 12:39 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/12/25 21:47 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 21:47 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 21:47 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 21:47 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 92        |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/12/25 21:47 | 1       |
| o-Terphenyl                          | 91        |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/12/25 21:47 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 609    |           | 9.94 | 0.393 | mg/Kg |   |          | 02/11/25 11:03 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

Client Sample ID: SB-09 (15-20)

Lab Sample ID: 880-54279-16

Date Collected: 02/10/25 09:10

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00199 | 0.00139 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:59 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:59 | 1       |
| Ethylbenzene        | <0.00108 | U         | 0.00199 | 0.00108 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:59 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:59 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00199 | 0.00158 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:59 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 12:59 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 | 02/11/25 08:59 | 02/11/25 12:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 02/11/25 08:59 | 02/11/25 12:59 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg |   |          | 02/11/25 12:59 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/12/25 22:08 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 22:08 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 22:08 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 22:08 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 98        |           | 70 - 130 | 02/11/25 09:16 | 02/12/25 22:08 | 1       |
| o-Terphenyl    | 103       |           | 70 - 130 | 02/11/25 09:16 | 02/12/25 22:08 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 680    |           | 49.8 | 1.97 | mg/Kg |   |          | 02/11/25 11:09 | 5       |

Client Sample ID: SB-09 DUP (10-15)

Lab Sample ID: 880-54279-17

Date Collected: 02/10/25 09:05

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00138 | U         | 0.00199 | 0.00138 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 13:20 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | 0.00199 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 13:20 | 1       |
| Ethylbenzene        | <0.00108 | U         | 0.00199 | 0.00108 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 13:20 | 1       |
| m-Xylene & p-Xylene | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 13:20 | 1       |
| o-Xylene            | <0.00157 | U         | 0.00199 | 0.00157 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 13:20 | 1       |
| Xylenes, Total      | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 13:20 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 | 02/11/25 08:59 | 02/11/25 13:20 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 02/11/25 08:59 | 02/11/25 13:20 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

Client Sample ID: SB-09 DUP (10-15)

Lab Sample ID: 880-54279-17

Date Collected: 02/10/25 09:05

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg | - |          | 02/11/25 13:20 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg | - |          | 02/12/25 22:28 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg | - | 02/11/25 09:16 | 02/12/25 22:28 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg | - | 02/11/25 09:16 | 02/12/25 22:28 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg | - | 02/11/25 09:16 | 02/12/25 22:28 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 96        |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/12/25 22:28 | 1       |
| o-Terphenyl                          | 101       |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/12/25 22:28 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 177    |           | 9.94 | 0.393 | mg/Kg | - |          | 02/11/25 11:27 | 1       |

Client Sample ID: SB-11 (4-5)

Lab Sample ID: 880-54279-18

Date Collected: 02/10/25 13:15

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00200  | 0.00139 | mg/Kg | - | 02/11/25 08:59 | 02/11/25 13:40 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | 0.00200 | mg/Kg | - | 02/11/25 08:59 | 02/11/25 13:40 | 1       |
| Ethylbenzene                | <0.00109  | U         | 0.00200  | 0.00109 | mg/Kg | - | 02/11/25 08:59 | 02/11/25 13:40 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg | - | 02/11/25 08:59 | 02/11/25 13:40 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00200  | 0.00158 | mg/Kg | - | 02/11/25 08:59 | 02/11/25 13:40 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00399  | 0.00228 | mg/Kg | - | 02/11/25 08:59 | 02/11/25 13:40 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 |         |       |   | 02/11/25 08:59 | 02/11/25 13:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |         |       |   | 02/11/25 08:59 | 02/11/25 13:40 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg | - |          | 02/11/25 13:40 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg | - |          | 02/12/25 22:48 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg | - | 02/11/25 09:16 | 02/12/25 22:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg | - | 02/11/25 09:16 | 02/12/25 22:48 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

Client Sample ID: SB-11 (4-5)

Lab Sample ID: 880-54279-18

Date Collected: 02/10/25 13:15

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 22:48 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 86        |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/12/25 22:48 | 1       |
| o-Terphenyl                       | 85        |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/12/25 22:48 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 132    |           | 9.98 | 0.394 | mg/Kg |   |          | 02/11/25 11:33 | 1       |

Client Sample ID: SB-13 (0-1)

Lab Sample ID: 880-54279-24

Date Collected: 02/10/25 14:00

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00138  | U         | 0.00198  | 0.00138 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:01 | 1       |
| Toluene                     | <0.00198  | U         | 0.00198  | 0.00198 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:01 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00198  | 0.00108 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:01 | 1       |
| m-Xylene & p-Xylene         | <0.00227  | U         | 0.00397  | 0.00227 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:01 | 1       |
| o-Xylene                    | <0.00157  | U         | 0.00198  | 0.00157 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:01 | 1       |
| Xylenes, Total              | <0.00227  | U         | 0.00397  | 0.00227 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:01 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 |         |       |   | 02/11/25 08:59 | 02/11/25 14:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 |         |       |   | 02/11/25 08:59 | 02/11/25 14:01 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00227 | U         | 0.00397 | 0.00227 | mg/Kg |   |          | 02/11/25 14:01 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 190    |           | 50.0 |     | mg/Kg |   |          | 02/12/25 23:09 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 23:09 | 1       |
| Diesel Range Organics (Over C10-C28) | 190       |           | 49.8     |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 23:09 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 23:09 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 98        |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/12/25 23:09 | 1       |
| o-Terphenyl                          | 102       |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/12/25 23:09 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 356    |           | 9.98 | 0.394 | mg/Kg |   |          | 02/11/25 11:39 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

Client Sample ID: SB-13 (1-2)

Lab Sample ID: 880-54279-25

Date Collected: 02/10/25 14:05

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:22 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:22 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:22 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:22 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:22 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:22 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 | 02/11/25 08:59 | 02/11/25 14:22 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 | 02/11/25 08:59 | 02/11/25 14:22 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 02/11/25 14:22 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/12/25 23:29 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 23:29 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 23:29 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 23:29 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 94        |           | 70 - 130 | 02/11/25 09:16 | 02/12/25 23:29 | 1       |
| o-Terphenyl    | 99        |           | 70 - 130 | 02/11/25 09:16 | 02/12/25 23:29 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 958    |           | 9.94 | 0.393 | mg/Kg |   |          | 02/11/25 11:46 | 1       |

Client Sample ID: SB-13 (2-3)

Lab Sample ID: 880-54279-26

Date Collected: 02/10/25 14:10

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:42 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:42 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:42 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:42 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00200 | 0.00159 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:42 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 14:42 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 | 02/11/25 08:59 | 02/11/25 14:42 | 1       |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 02/11/25 08:59 | 02/11/25 14:42 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

Client Sample ID: SB-13 (2-3)

Lab Sample ID: 880-54279-26

Date Collected: 02/10/25 14:10

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   |          | 02/11/25 14:42 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/12/25 23:49 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.7     | U         | 49.7     |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 23:49 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.7     | U         | 49.7     |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 23:49 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.7     | U         | 49.7     |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 23:49 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 89        |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/12/25 23:49 | 1       |
| o-Terphenyl                          | 90        |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/12/25 23:49 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 1430   |           | 10.1 | 0.398 | mg/Kg |   |          | 02/11/25 11:52 | 1       |

Client Sample ID: SB-13 (3-4)

Lab Sample ID: 880-54279-27

Date Collected: 02/10/25 14:15

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00199  | 0.00139 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 17:39 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 17:39 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 17:39 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 17:39 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00199  | 0.00158 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 17:39 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 17:39 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 |         |       |   | 02/11/25 08:59 | 02/11/25 17:39 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |         |       |   | 02/11/25 08:59 | 02/11/25 17:39 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg |   |          | 02/11/25 17:39 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/13/25 00:30 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 02/11/25 09:16 | 02/13/25 00:30 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 02/11/25 09:16 | 02/13/25 00:30 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

## Client Sample ID: SB-13 (3-4)

Date Collected: 02/10/25 14:15

Date Received: 02/10/25 15:00

## Lab Sample ID: 880-54279-27

Matrix: Solid

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.8     | U         | 49.8     |     | mg/Kg |   | 02/11/25 09:16 | 02/13/25 00:30 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 103       |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/13/25 00:30 | 1       |
| o-Terphenyl                       | 106       |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/13/25 00:30 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Chloride | 2700   | F1        | 50.2 | 1.98 | mg/Kg |   |          | 02/11/25 11:58 | 5       |

## Client Sample ID: SB-14 (0-1)

Date Collected: 02/10/25 14:30

Date Received: 02/10/25 15:00

## Lab Sample ID: 880-54279-28

Matrix: Solid

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00138  | U         | 0.00199  | 0.00138 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 17:59 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 17:59 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 17:59 | 1       |
| m-Xylene & p-Xylene         | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 17:59 | 1       |
| o-Xylene                    | <0.00157  | U         | 0.00199  | 0.00157 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 17:59 | 1       |
| Xylenes, Total              | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 17:59 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130 |         |       |   | 02/11/25 08:59 | 02/11/25 17:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 |         |       |   | 02/11/25 08:59 | 02/11/25 17:59 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg |   |          | 02/11/25 17:59 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/13/25 00:50 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/11/25 09:16 | 02/13/25 00:50 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/11/25 09:16 | 02/13/25 00:50 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 02/11/25 09:16 | 02/13/25 00:50 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 105       |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/13/25 00:50 | 1       |
| o-Terphenyl                          | 108       |           | 70 - 130 |     |       |   | 02/11/25 09:16 | 02/13/25 00:50 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 131    |           | 9.92 | 0.392 | mg/Kg |   |          | 02/11/25 12:16 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

Client Sample ID: SB-14 DUP (0-1)

Lab Sample ID: 880-54279-29

Date Collected: 02/10/25 14:30

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 18:20 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 18:20 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 18:20 | 1       |
| m-Xylene & p-Xylene | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 18:20 | 1       |
| o-Xylene            | <0.00158 | U         | 0.00200 | 0.00158 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 18:20 | 1       |
| Xylenes, Total      | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 18:20 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 | 02/11/25 08:59 | 02/11/25 18:20 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 | 02/11/25 08:59 | 02/11/25 18:20 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00399 | 0.00228 | mg/Kg |   |          | 02/11/25 18:20 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/11/25 17:46 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 02/10/25 14:35 | 02/11/25 17:46 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 02/10/25 14:35 | 02/11/25 17:46 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 02/10/25 14:35 | 02/11/25 17:46 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 86        |           | 70 - 130 | 02/10/25 14:35 | 02/11/25 17:46 | 1       |
| o-Terphenyl    | 99        |           | 70 - 130 | 02/10/25 14:35 | 02/11/25 17:46 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 127    |           | 9.94 | 0.393 | mg/Kg |   |          | 02/11/25 12:22 | 1       |

Client Sample ID: SB-14 (1-2)

Lab Sample ID: 880-54279-30

Date Collected: 02/10/25 14:35

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139 | U         | 0.00200 | 0.00139 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 18:40 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | 0.00200 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 18:40 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00200 | 0.00109 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 18:40 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 18:40 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00200 | 0.00159 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 18:40 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 18:40 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 | 02/11/25 08:59 | 02/11/25 18:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 | 02/11/25 08:59 | 02/11/25 18:40 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

Client Sample ID: SB-14 (1-2)

Lab Sample ID: 880-54279-30

Date Collected: 02/10/25 14:35

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00401 | 0.00229 | mg/Kg |   |          | 02/11/25 18:40 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/11/25 18:06 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/10/25 14:35 | 02/11/25 18:06 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/10/25 14:35 | 02/11/25 18:06 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 02/10/25 14:35 | 02/11/25 18:06 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 86        |           | 70 - 130 |     |       |   | 02/10/25 14:35 | 02/11/25 18:06 | 1       |
| o-Terphenyl                          | 98        |           | 70 - 130 |     |       |   | 02/10/25 14:35 | 02/11/25 18:06 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 285    |           | 9.92 | 0.392 | mg/Kg |   |          | 02/11/25 12:40 | 1       |

Client Sample ID: SB-14 (2-3)

Lab Sample ID: 880-54279-31

Date Collected: 02/10/25 14:40

Matrix: Solid

Date Received: 02/10/25 15:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00139  | U         | 0.00199  | 0.00139 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 19:01 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 19:01 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 19:01 | 1       |
| m-Xylene & p-Xylene         | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 19:01 | 1       |
| o-Xylene                    | <0.00158  | U         | 0.00199  | 0.00158 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 19:01 | 1       |
| Xylenes, Total              | <0.00228  | U         | 0.00398  | 0.00228 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 19:01 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 |         |       |   | 02/11/25 08:59 | 02/11/25 19:01 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |         |       |   | 02/11/25 08:59 | 02/11/25 19:01 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00228 | U         | 0.00398 | 0.00228 | mg/Kg |   |          | 02/11/25 19:01 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/11/25 18:27 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 02/10/25 14:35 | 02/11/25 18:27 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 02/10/25 14:35 | 02/11/25 18:27 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

## Client Sample ID: SB-14 (2-3)

Date Collected: 02/10/25 14:40

Date Received: 02/10/25 15:00

## Lab Sample ID: 880-54279-31

Matrix: Solid

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | <49.8     | U         | 49.8     |     | mg/Kg |   | 02/10/25 14:35 | 02/11/25 18:27 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 79        |           | 70 - 130 |     |       |   | 02/10/25 14:35 | 02/11/25 18:27 | 1       |
| o-Terphenyl                       | 91        |           | 70 - 130 |     |       |   | 02/10/25 14:35 | 02/11/25 18:27 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 389    |           | 10.1 | 0.398 | mg/Kg |   |          | 02/11/25 12:47 | 1       |

## Client Sample ID: SB-14 (3-4)

Date Collected: 02/10/25 14:45

Date Received: 02/10/25 15:00

## Lab Sample ID: 880-54279-32

Matrix: Solid

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00138  | U         | 0.00199  | 0.00138 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 19:21 | 1       |
| Toluene                     | <0.00199  | U         | 0.00199  | 0.00199 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 19:21 | 1       |
| Ethylbenzene                | <0.00108  | U         | 0.00199  | 0.00108 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 19:21 | 1       |
| m-Xylene & p-Xylene         | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 19:21 | 1       |
| o-Xylene                    | <0.00157  | U         | 0.00199  | 0.00157 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 19:21 | 1       |
| Xylenes, Total              | <0.00227  | U         | 0.00398  | 0.00227 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 19:21 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 |         |       |   | 02/11/25 08:59 | 02/11/25 19:21 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |         |       |   | 02/11/25 08:59 | 02/11/25 19:21 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00227 | U         | 0.00398 | 0.00227 | mg/Kg |   |          | 02/11/25 19:21 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 02/11/25 18:48 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8     | U         | 49.8     |     | mg/Kg |   | 02/10/25 14:35 | 02/11/25 18:48 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8     | U         | 49.8     |     | mg/Kg |   | 02/10/25 14:35 | 02/11/25 18:48 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8     | U         | 49.8     |     | mg/Kg |   | 02/10/25 14:35 | 02/11/25 18:48 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 79        |           | 70 - 130 |     |       |   | 02/10/25 14:35 | 02/11/25 18:48 | 1       |
| o-Terphenyl                          | 90        |           | 70 - 130 |     |       |   | 02/10/25 14:35 | 02/11/25 18:48 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 427    |           | 9.94 | 0.393 | mg/Kg |   |          | 02/11/25 12:53 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

Client Sample ID: TB-04

Lab Sample ID: 880-54279-34

Date Collected: 02/10/25 00:00

Matrix: Water

Date Received: 02/10/25 15:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result    | Qualifier | RL      | MDL      | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|-----------|-----------|---------|----------|------|---|----------|----------------|---------|
| Benzene             | <0.00146  | U         | 0.00200 | 0.00146  | mg/L |   |          | 02/12/25 01:02 | 1       |
| Toluene             | <0.000985 | U         | 0.00200 | 0.000985 | mg/L |   |          | 02/12/25 01:02 | 1       |
| Ethylbenzene        | <0.00105  | U         | 0.00200 | 0.00105  | mg/L |   |          | 02/12/25 01:02 | 1       |
| m-Xylene & p-Xylene | <0.00263  | U         | 0.00400 | 0.00263  | mg/L |   |          | 02/12/25 01:02 | 1       |
| o-Xylene            | <0.00111  | U         | 0.00200 | 0.00111  | mg/L |   |          | 02/12/25 01:02 | 1       |
| Xylenes, Total      | <0.00263  | U         | 0.00400 | 0.00263  | mg/L |   |          | 02/12/25 01:02 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 |          | 02/12/25 01:02 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |          | 02/12/25 01:02 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|------|---|----------|----------------|---------|
| Total BTEX | <0.00263 | U         | 0.00400 | 0.00263 | mg/L |   |          | 02/12/25 01:02 | 1       |

## Surrogate Summary

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                   |
|---------------------|------------------------|------------------------------------------------|-------------------|
|                     |                        | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-54279-1         | SB-07 (20-21)          | 100                                            | 102               |
| 880-54279-1 MS      | SB-07 (20-21)          | 99                                             | 104               |
| 880-54279-1 MSD     | SB-07 (20-21)          | 105                                            | 107               |
| 880-54279-6         | SB-08 (20-21)          | 106                                            | 98                |
| 880-54279-14        | SB-09 (5-10)           | 102                                            | 103               |
| 880-54279-15        | SB-09 (10-15)          | 98                                             | 100               |
| 880-54279-16        | SB-09 (15-20)          | 103                                            | 103               |
| 880-54279-17        | SB-09 DUP (10-15)      | 100                                            | 100               |
| 880-54279-18        | SB-11 (4-5)            | 103                                            | 102               |
| 880-54279-24        | SB-13 (0-1)            | 104                                            | 101               |
| 880-54279-25        | SB-13 (1-2)            | 102                                            | 101               |
| 880-54279-26        | SB-13 (2-3)            | 105                                            | 95                |
| 880-54279-27        | SB-13 (3-4)            | 103                                            | 102               |
| 880-54279-28        | SB-14 (0-1)            | 101                                            | 101               |
| 880-54279-29        | SB-14 DUP (0-1)        | 103                                            | 104               |
| 880-54279-30        | SB-14 (1-2)            | 100                                            | 99                |
| 880-54279-31        | SB-14 (2-3)            | 105                                            | 97                |
| 880-54279-32        | SB-14 (3-4)            | 105                                            | 102               |
| LCS 880-102436/1-A  | Lab Control Sample     | 98                                             | 109               |
| LCSD 880-102436/2-A | Lab Control Sample Dup | 98                                             | 107               |
| MB 880-102436/5-A   | Method Blank           | 94                                             | 92                |

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                   |
|--------------------|------------------------|------------------------------------------------|-------------------|
|                    |                        | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-54279-34       | TB-04                  | 102                                            | 97                |
| LCS 880-102428/34  | Lab Control Sample     | 95                                             | 107               |
| LCSD 880-102428/35 | Lab Control Sample Dup | 99                                             | 111               |
| MB 880-102428/39   | Method Blank           | 99                                             | 94                |

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID        | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                   |
|----------------------|------------------------|------------------------------------------------|-------------------|
|                      |                        | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-54238-A-1-CK MS  | Matrix Spike           | 82                                             | 87                |
| 880-54238-A-1-CL MSD | Matrix Spike Duplicate | 83                                             | 89                |
| 880-54279-1          | SB-07 (20-21)          | 92                                             | 96                |
| 880-54279-1 MS       | SB-07 (20-21)          | 88                                             | 87                |

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## Surrogate Summary

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

**Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)****Matrix: Solid****Prep Type: Total/NA**

|                     |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|---------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID       | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-54279-1 MSD     | SB-07 (20-21)          | 84                                             | 81                |
| 880-54279-6         | SB-08 (20-21)          | 94                                             | 96                |
| 880-54279-14        | SB-09 (5-10)           | 100                                            | 103               |
| 880-54279-15        | SB-09 (10-15)          | 92                                             | 91                |
| 880-54279-16        | SB-09 (15-20)          | 98                                             | 103               |
| 880-54279-17        | SB-09 DUP (10-15)      | 96                                             | 101               |
| 880-54279-18        | SB-11 (4-5)            | 86                                             | 85                |
| 880-54279-24        | SB-13 (0-1)            | 98                                             | 102               |
| 880-54279-25        | SB-13 (1-2)            | 94                                             | 99                |
| 880-54279-26        | SB-13 (2-3)            | 89                                             | 90                |
| 880-54279-27        | SB-13 (3-4)            | 103                                            | 106               |
| 880-54279-28        | SB-14 (0-1)            | 105                                            | 108               |
| 880-54279-29        | SB-14 DUP (0-1)        | 86                                             | 99                |
| 880-54279-30        | SB-14 (1-2)            | 86                                             | 98                |
| 880-54279-31        | SB-14 (2-3)            | 79                                             | 91                |
| 880-54279-32        | SB-14 (3-4)            | 79                                             | 90                |
| LCS 880-102393/2-A  | Lab Control Sample     | 93                                             | 98                |
| LCS 880-102438/2-A  | Lab Control Sample     | 102                                            | 93                |
| LCSD 880-102393/3-A | Lab Control Sample Dup | 89                                             | 92                |
| LCSD 880-102438/3-A | Lab Control Sample Dup | 96                                             | 89                |
| MB 880-102393/1-A   | Method Blank           | 93                                             | 109               |
| MB 880-102438/1-A   | Method Blank           | 116                                            | 117               |

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

## QC Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-102428/39

Matrix: Water

Analysis Batch: 102428

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte             | MB Result | MB Qualifier | RL      | MDL      | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|----------|------|---|----------|----------------|---------|
| Benzene             | <0.00146  | U            | 0.00200 | 0.00146  | mg/L |   |          | 02/11/25 23:38 | 1       |
| Toluene             | <0.000985 | U            | 0.00200 | 0.000985 | mg/L |   |          | 02/11/25 23:38 | 1       |
| Ethylbenzene        | <0.00105  | U            | 0.00200 | 0.00105  | mg/L |   |          | 02/11/25 23:38 | 1       |
| m-Xylene & p-Xylene | <0.00263  | U            | 0.00400 | 0.00263  | mg/L |   |          | 02/11/25 23:38 | 1       |
| o-Xylene            | <0.00111  | U            | 0.00200 | 0.00111  | mg/L |   |          | 02/11/25 23:38 | 1       |
| Xylenes, Total      | <0.00263  | U            | 0.00400 | 0.00263  | mg/L |   |          | 02/11/25 23:38 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99           |              | 70 - 130 |          | 02/11/25 23:38 | 1       |
| 1,4-Difluorobenzene (Surr)  | 94           |              | 70 - 130 |          | 02/11/25 23:38 | 1       |

Lab Sample ID: LCS 880-102428/34

Matrix: Water

Analysis Batch: 102428

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|------|---|------|-------------|
| Benzene             | 0.100       | 0.09674    |               | mg/L |   | 97   | 70 - 130    |
| Toluene             | 0.100       | 0.08423    |               | mg/L |   | 84   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.08980    |               | mg/L |   | 90   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1871     |               | mg/L |   | 94   | 70 - 130    |
| o-Xylene            | 0.100       | 0.09394    |               | mg/L |   | 94   | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 95            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 107           |               | 70 - 130 |

Lab Sample ID: LCSD 880-102428/35

Matrix: Water

Analysis Batch: 102428

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.1049      |                | mg/L |   | 105  | 70 - 130    | 8   | 20        |
| Toluene             | 0.100       | 0.09086     |                | mg/L |   | 91   | 70 - 130    | 8   | 20        |
| Ethylbenzene        | 0.100       | 0.09781     |                | mg/L |   | 98   | 70 - 130    | 9   | 20        |
| m-Xylene & p-Xylene | 0.200       | 0.2038      |                | mg/L |   | 102  | 70 - 130    | 9   | 20        |
| o-Xylene            | 0.100       | 0.1029      |                | mg/L |   | 103  | 70 - 130    | 9   | 20        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 99             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 111            |                | 70 - 130 |

Lab Sample ID: MB 880-102436/5-A

Matrix: Solid

Analysis Batch: 102428

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102436

| Analyte | MB Result | MB Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00139  | U            | 0.00200 | 0.00139 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| Toluene | <0.00200  | U            | 0.00200 | 0.00200 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-102436/5-A

Matrix: Solid

Analysis Batch: 102428

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102436

| Analyte             | MB Result | MB Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|---------|-------|---|----------------|----------------|---------|
| Ethylbenzene        | <0.00109  | U            | 0.00200 | 0.00109 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| m-Xylene & p-Xylene | <0.00229  | U            | 0.00400 | 0.00229 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| o-Xylene            | <0.00158  | U            | 0.00200 | 0.00158 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| Xylenes, Total      | <0.00229  | U            | 0.00400 | 0.00229 | mg/Kg |   | 02/11/25 08:59 | 02/11/25 11:16 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94           |              | 70 - 130 | 02/11/25 08:59 | 02/11/25 11:16 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92           |              | 70 - 130 | 02/11/25 08:59 | 02/11/25 11:16 | 1       |

Lab Sample ID: LCS 880-102436/1-A

Matrix: Solid

Analysis Batch: 102428

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102436

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.09615    |               | mg/Kg |   | 96   | 70 - 130    |
| Toluene             | 0.100       | 0.08556    |               | mg/Kg |   | 86   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.09538    |               | mg/Kg |   | 95   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1979     |               | mg/Kg |   | 99   | 70 - 130    |
| o-Xylene            | 0.100       | 0.09993    |               | mg/Kg |   | 100  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 98            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 109           |               | 70 - 130 |

Lab Sample ID: LCSD 880-102436/2-A

Matrix: Solid

Analysis Batch: 102428

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102436

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-------|
| Benzene             | 0.100       | 0.08658     |                | mg/Kg |   | 87   | 70 - 130    | 10  | 35    |
| Toluene             | 0.100       | 0.07596     |                | mg/Kg |   | 76   | 70 - 130    | 12  | 35    |
| Ethylbenzene        | 0.100       | 0.08231     |                | mg/Kg |   | 82   | 70 - 130    | 15  | 35    |
| m-Xylene & p-Xylene | 0.200       | 0.1727      |                | mg/Kg |   | 86   | 70 - 130    | 14  | 35    |
| o-Xylene            | 0.100       | 0.08980     |                | mg/Kg |   | 90   | 70 - 130    | 11  | 35    |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 98             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 107            |                | 70 - 130 |

Lab Sample ID: 880-54279-1 MS

Matrix: Solid

Analysis Batch: 102428

Client Sample ID: SB-07 (20-21)

Prep Type: Total/NA

Prep Batch: 102436

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | <0.00139      | U                | 0.0998      | 0.09602   |              | mg/Kg |   | 96   | 70 - 130    |
| Toluene             | <0.00200      | U                | 0.0998      | 0.08598   |              | mg/Kg |   | 86   | 70 - 130    |
| Ethylbenzene        | <0.00109      | U                | 0.0998      | 0.09704   |              | mg/Kg |   | 97   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00229      | U                | 0.200       | 0.2008    |              | mg/Kg |   | 101  | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-54279-1 MS

Matrix: Solid

Analysis Batch: 102428

Client Sample ID: SB-07 (20-21)

Prep Type: Total/NA

Prep Batch: 102436

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| o-Xylene                    | <0.00159      | U                | 0.0998      | 0.1009    |              | mg/Kg |   | 101  | 70 - 130    |
| Surrogate                   | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |
| 4-Bromofluorobenzene (Surr) | 99            |                  | 70 - 130    |           |              |       |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 104           |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 880-54279-1 MSD

Matrix: Solid

Analysis Batch: 102428

Client Sample ID: SB-07 (20-21)

Prep Type: Total/NA

Prep Batch: 102436

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-------|
| Benzene                     | <0.00139      | U                | 0.0996      | 0.09574    |               | mg/Kg |   | 96   | 70 - 130    | 0   | 35    |
| Toluene                     | <0.00200      | U                | 0.0996      | 0.08522    |               | mg/Kg |   | 86   | 70 - 130    | 1   | 35    |
| Ethylbenzene                | <0.00109      | U                | 0.0996      | 0.09643    |               | mg/Kg |   | 97   | 70 - 130    | 1   | 35    |
| m-Xylene & p-Xylene         | <0.00229      | U                | 0.199       | 0.1994     |               | mg/Kg |   | 100  | 70 - 130    | 1   | 35    |
| o-Xylene                    | <0.00159      | U                | 0.0996      | 0.1007     |               | mg/Kg |   | 101  | 70 - 130    | 0   | 35    |
| Surrogate                   | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |       |
| 4-Bromofluorobenzene (Surr) | 105           |                  | 70 - 130    |            |               |       |   |      |             |     |       |
| 1,4-Difluorobenzene (Surr)  | 107           |                  | 70 - 130    |            |               |       |   |      |             |     |       |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-102393/1-A

Matrix: Solid

Analysis Batch: 102417

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102393

| Analyte                              | MB Result    | MB Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0        | U            | 50.0     |     | mg/Kg |   | 02/10/25 14:35 | 02/11/25 08:42 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     |     | mg/Kg |   | 02/10/25 14:35 | 02/11/25 08:42 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     |     | mg/Kg |   | 02/10/25 14:35 | 02/11/25 08:42 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 93           |              | 70 - 130 |     |       |   | 02/10/25 14:35 | 02/11/25 08:42 | 1       |
| o-Terphenyl                          | 109          |              | 70 - 130 |     |       |   | 02/10/25 14:35 | 02/11/25 08:42 | 1       |

Lab Sample ID: LCS 880-102393/2-A

Matrix: Solid

Analysis Batch: 102417

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102393

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1180       |               | mg/Kg |   | 118  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1288       |               | mg/Kg |   | 129  | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-102393/2-A

Matrix: Solid

Analysis Batch: 102417

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102393

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 93        |           | 70 - 130 |
| o-Terphenyl    | 98        |           | 70 - 130 |

Lab Sample ID: LCSD 880-102393/3-A

Matrix: Solid

Analysis Batch: 102417

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102393

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1089        |                | mg/Kg |   | 109  | 70 - 130    | 8   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1112        |                | mg/Kg |   | 111  | 70 - 130    | 15  | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 89        |           | 70 - 130 |
| o-Terphenyl    | 92        |           | 70 - 130 |

Lab Sample ID: 880-54238-A-1-CK MS

Matrix: Solid

Analysis Batch: 102417

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 102393

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 995         | 697.1     |              | mg/Kg |   | 70   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <49.9         | U F1             | 995         | 656.1     | F1           | mg/Kg |   | 66   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 82        |           | 70 - 130 |
| o-Terphenyl    | 87        |           | 70 - 130 |

Lab Sample ID: 880-54238-A-1-CL MSD

Matrix: Solid

Analysis Batch: 102417

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 102393

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 995         | 699.8      |               | mg/Kg |   | 70   | 70 - 130    | 0   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U F1             | 995         | 665.4      | F1            | mg/Kg |   | 67   | 70 - 130    | 1   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 83        |           | 70 - 130 |
| o-Terphenyl    | 89        |           | 70 - 130 |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-102438/1-A

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 102438

| Analyte                              | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 19:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 19:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 |     | mg/Kg |   | 02/11/25 09:16 | 02/12/25 19:04 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 116          |              | 70 - 130 | 02/11/25 09:16 | 02/12/25 19:04 | 1       |
| o-Terphenyl    | 117          |              | 70 - 130 | 02/11/25 09:16 | 02/12/25 19:04 | 1       |

Lab Sample ID: LCS 880-102438/2-A

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 102438

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 989.4      |               | mg/Kg |   | 99   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 995.6      |               | mg/Kg |   | 100  | 70 - 130    |

| Surrogate      | LCS %Recovery | LCS Qualifier | Limits   |
|----------------|---------------|---------------|----------|
| 1-Chlorooctane | 102           |               | 70 - 130 |
| o-Terphenyl    | 93            |               | 70 - 130 |

Lab Sample ID: LCSD 880-102438/3-A

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 102438

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1034        |                | mg/Kg |   | 103  | 70 - 130    | 4   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1012        |                | mg/Kg |   | 101  | 70 - 130    | 2   | 20        |

| Surrogate      | LCSD %Recovery | LCSD Qualifier | Limits   |
|----------------|----------------|----------------|----------|
| 1-Chlorooctane | 96             |                | 70 - 130 |
| o-Terphenyl    | 89             |                | 70 - 130 |

Lab Sample ID: 880-54279-1 MS

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: SB-07 (20-21)

Prep Type: Total/NA

Prep Batch: 102438

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U F2             | 997         | 951.5     |              | mg/Kg |   | 92   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 997         | 771.2     |              | mg/Kg |   | 76   | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-54279-1 MS

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: SB-07 (20-21)

Prep Type: Total/NA

Prep Batch: 102438

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 88        |           | 70 - 130 |
| o-Terphenyl    | 87        |           | 70 - 130 |

Lab Sample ID: 880-54279-1 MSD

Matrix: Solid

Analysis Batch: 102536

Client Sample ID: SB-07 (20-21)

Prep Type: Total/NA

Prep Batch: 102438

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U F2             | 997         | 736.5      | F2            | mg/Kg |   | 70   | 70 - 130    | 25  | 20        |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 997         | 731.8      |               | mg/Kg |   | 72   | 70 - 130    | 5   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 84        |           | 70 - 130 |
| o-Terphenyl    | 81        |           | 70 - 130 |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-102435/1-A

Matrix: Solid

Analysis Batch: 102442

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395    | U            | 10.0 | 0.395 | mg/Kg |   |          | 02/11/25 10:14 | 1       |

Lab Sample ID: LCS 880-102435/2-A

Matrix: Solid

Analysis Batch: 102442

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 262.3      |               | mg/Kg |   | 105  | 90 - 110    |

Lab Sample ID: LCSD 880-102435/3-A

Matrix: Solid

Analysis Batch: 102442

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 262.5       |                | mg/Kg |   | 105  | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-54279-1 MS

Matrix: Solid

Analysis Batch: 102442

Client Sample ID: SB-07 (20-21)

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Chloride | 277           |                  | 248         | 549.1     |              | mg/Kg |   | 110  | 90 - 110    |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-54279-1 MSD

Matrix: Solid

Analysis Batch: 102442

Client Sample ID: SB-07 (20-21)

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 277           |                  | 248         | 549.2      |               | mg/Kg |   | 110  | 90 - 110    | 0   | 20        |

Lab Sample ID: 880-54279-27 MS

Matrix: Solid

Analysis Batch: 102442

Client Sample ID: SB-13 (3-4)

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
| Chloride | 2700          | F1               | 1260        | 4234      | F1           | mg/Kg |   | 122  | 90 - 110    |  |  |

Lab Sample ID: 880-54279-27 MSD

Matrix: Solid

Analysis Batch: 102442

Client Sample ID: SB-13 (3-4)

Prep Type: Soluble

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Chloride | 2700          | F1               | 1260        | 4230       | F1            | mg/Kg |   | 122  | 90 - 110    | 0   | 20        |

## QC Association Summary

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

## GC VOA

## Analysis Batch: 102428

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-54279-1         | SB-07 (20-21)          | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-6         | SB-08 (20-21)          | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-14        | SB-09 (5-10)           | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-15        | SB-09 (10-15)          | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-16        | SB-09 (15-20)          | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-17        | SB-09 DUP (10-15)      | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-18        | SB-11 (4-5)            | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-24        | SB-13 (0-1)            | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-25        | SB-13 (1-2)            | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-26        | SB-13 (2-3)            | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-27        | SB-13 (3-4)            | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-28        | SB-14 (0-1)            | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-29        | SB-14 DUP (0-1)        | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-30        | SB-14 (1-2)            | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-31        | SB-14 (2-3)            | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-32        | SB-14 (3-4)            | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-34        | TB-04                  | Total/NA  | Water  | 8021B  |            |
| MB 880-102428/39    | Method Blank           | Total/NA  | Water  | 8021B  |            |
| MB 880-102436/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 102436     |
| LCS 880-102428/34   | Lab Control Sample     | Total/NA  | Water  | 8021B  |            |
| LCS 880-102436/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 102436     |
| LCSD 880-102428/35  | Lab Control Sample Dup | Total/NA  | Water  | 8021B  |            |
| LCSD 880-102436/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-1 MS      | SB-07 (20-21)          | Total/NA  | Solid  | 8021B  | 102436     |
| 880-54279-1 MSD     | SB-07 (20-21)          | Total/NA  | Solid  | 8021B  | 102436     |

## Prep Batch: 102436

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-54279-1         | SB-07 (20-21)          | Total/NA  | Solid  | 5035   |            |
| 880-54279-6         | SB-08 (20-21)          | Total/NA  | Solid  | 5035   |            |
| 880-54279-14        | SB-09 (5-10)           | Total/NA  | Solid  | 5035   |            |
| 880-54279-15        | SB-09 (10-15)          | Total/NA  | Solid  | 5035   |            |
| 880-54279-16        | SB-09 (15-20)          | Total/NA  | Solid  | 5035   |            |
| 880-54279-17        | SB-09 DUP (10-15)      | Total/NA  | Solid  | 5035   |            |
| 880-54279-18        | SB-11 (4-5)            | Total/NA  | Solid  | 5035   |            |
| 880-54279-24        | SB-13 (0-1)            | Total/NA  | Solid  | 5035   |            |
| 880-54279-25        | SB-13 (1-2)            | Total/NA  | Solid  | 5035   |            |
| 880-54279-26        | SB-13 (2-3)            | Total/NA  | Solid  | 5035   |            |
| 880-54279-27        | SB-13 (3-4)            | Total/NA  | Solid  | 5035   |            |
| 880-54279-28        | SB-14 (0-1)            | Total/NA  | Solid  | 5035   |            |
| 880-54279-29        | SB-14 DUP (0-1)        | Total/NA  | Solid  | 5035   |            |
| 880-54279-30        | SB-14 (1-2)            | Total/NA  | Solid  | 5035   |            |
| 880-54279-31        | SB-14 (2-3)            | Total/NA  | Solid  | 5035   |            |
| 880-54279-32        | SB-14 (3-4)            | Total/NA  | Solid  | 5035   |            |
| MB 880-102436/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-102436/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-102436/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-54279-1 MS      | SB-07 (20-21)          | Total/NA  | Solid  | 5035   |            |
| 880-54279-1 MSD     | SB-07 (20-21)          | Total/NA  | Solid  | 5035   |            |

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## QC Association Summary

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

## GC VOA

## Analysis Batch: 102524

| Lab Sample ID | Client Sample ID  | Prep Type | Matrix | Method     | Prep Batch |
|---------------|-------------------|-----------|--------|------------|------------|
| 880-54279-1   | SB-07 (20-21)     | Total/NA  | Solid  | Total BTEX |            |
| 880-54279-6   | SB-08 (20-21)     | Total/NA  | Solid  | Total BTEX |            |
| 880-54279-14  | SB-09 (5-10)      | Total/NA  | Solid  | Total BTEX |            |
| 880-54279-15  | SB-09 (10-15)     | Total/NA  | Solid  | Total BTEX |            |
| 880-54279-16  | SB-09 (15-20)     | Total/NA  | Solid  | Total BTEX |            |
| 880-54279-17  | SB-09 DUP (10-15) | Total/NA  | Solid  | Total BTEX |            |
| 880-54279-18  | SB-11 (4-5)       | Total/NA  | Solid  | Total BTEX |            |
| 880-54279-24  | SB-13 (0-1)       | Total/NA  | Solid  | Total BTEX |            |
| 880-54279-25  | SB-13 (1-2)       | Total/NA  | Solid  | Total BTEX |            |
| 880-54279-26  | SB-13 (2-3)       | Total/NA  | Solid  | Total BTEX |            |
| 880-54279-27  | SB-13 (3-4)       | Total/NA  | Solid  | Total BTEX |            |
| 880-54279-28  | SB-14 (0-1)       | Total/NA  | Solid  | Total BTEX |            |
| 880-54279-29  | SB-14 DUP (0-1)   | Total/NA  | Solid  | Total BTEX |            |
| 880-54279-30  | SB-14 (1-2)       | Total/NA  | Solid  | Total BTEX |            |
| 880-54279-31  | SB-14 (2-3)       | Total/NA  | Solid  | Total BTEX |            |
| 880-54279-32  | SB-14 (3-4)       | Total/NA  | Solid  | Total BTEX |            |
| 880-54279-34  | TB-04             | Total/NA  | Water  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 102393

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|----------------------|------------------------|-----------|--------|-------------|------------|
| 880-54279-29         | SB-14 DUP (0-1)        | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54279-30         | SB-14 (1-2)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54279-31         | SB-14 (2-3)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54279-32         | SB-14 (3-4)            | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-102393/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-102393/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-102393/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54238-A-1-CK MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54238-A-1-CL MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 102417

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 880-54279-29         | SB-14 DUP (0-1)        | Total/NA  | Solid  | 8015B NM | 102393     |
| 880-54279-30         | SB-14 (1-2)            | Total/NA  | Solid  | 8015B NM | 102393     |
| 880-54279-31         | SB-14 (2-3)            | Total/NA  | Solid  | 8015B NM | 102393     |
| 880-54279-32         | SB-14 (3-4)            | Total/NA  | Solid  | 8015B NM | 102393     |
| MB 880-102393/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 102393     |
| LCS 880-102393/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 102393     |
| LCSD 880-102393/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 102393     |
| 880-54238-A-1-CK MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 102393     |
| 880-54238-A-1-CL MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 102393     |

## Prep Batch: 102438

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 880-54279-1   | SB-07 (20-21)    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54279-6   | SB-08 (20-21)    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54279-14  | SB-09 (5-10)     | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54279-15  | SB-09 (10-15)    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54279-16  | SB-09 (15-20)    | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

## GC Semi VOA (Continued)

## Prep Batch: 102438 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-54279-17        | SB-09 DUP (10-15)      | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54279-18        | SB-11 (4-5)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54279-24        | SB-13 (0-1)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54279-25        | SB-13 (1-2)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54279-26        | SB-13 (2-3)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54279-27        | SB-13 (3-4)            | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54279-28        | SB-14 (0-1)            | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-102438/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-102438/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-102438/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54279-1 MS      | SB-07 (20-21)          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-54279-1 MSD     | SB-07 (20-21)          | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 102536

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-54279-1         | SB-07 (20-21)          | Total/NA  | Solid  | 8015B NM | 102438     |
| 880-54279-6         | SB-08 (20-21)          | Total/NA  | Solid  | 8015B NM | 102438     |
| 880-54279-14        | SB-09 (5-10)           | Total/NA  | Solid  | 8015B NM | 102438     |
| 880-54279-15        | SB-09 (10-15)          | Total/NA  | Solid  | 8015B NM | 102438     |
| 880-54279-16        | SB-09 (15-20)          | Total/NA  | Solid  | 8015B NM | 102438     |
| 880-54279-17        | SB-09 DUP (10-15)      | Total/NA  | Solid  | 8015B NM | 102438     |
| 880-54279-18        | SB-11 (4-5)            | Total/NA  | Solid  | 8015B NM | 102438     |
| 880-54279-24        | SB-13 (0-1)            | Total/NA  | Solid  | 8015B NM | 102438     |
| 880-54279-25        | SB-13 (1-2)            | Total/NA  | Solid  | 8015B NM | 102438     |
| 880-54279-26        | SB-13 (2-3)            | Total/NA  | Solid  | 8015B NM | 102438     |
| 880-54279-27        | SB-13 (3-4)            | Total/NA  | Solid  | 8015B NM | 102438     |
| 880-54279-28        | SB-14 (0-1)            | Total/NA  | Solid  | 8015B NM | 102438     |
| MB 880-102438/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 102438     |
| LCS 880-102438/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 102438     |
| LCSD 880-102438/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 102438     |
| 880-54279-1 MS      | SB-07 (20-21)          | Total/NA  | Solid  | 8015B NM | 102438     |
| 880-54279-1 MSD     | SB-07 (20-21)          | Total/NA  | Solid  | 8015B NM | 102438     |

## Analysis Batch: 102586

| Lab Sample ID | Client Sample ID  | Prep Type | Matrix | Method  | Prep Batch |
|---------------|-------------------|-----------|--------|---------|------------|
| 880-54279-1   | SB-07 (20-21)     | Total/NA  | Solid  | 8015 NM |            |
| 880-54279-6   | SB-08 (20-21)     | Total/NA  | Solid  | 8015 NM |            |
| 880-54279-14  | SB-09 (5-10)      | Total/NA  | Solid  | 8015 NM |            |
| 880-54279-15  | SB-09 (10-15)     | Total/NA  | Solid  | 8015 NM |            |
| 880-54279-16  | SB-09 (15-20)     | Total/NA  | Solid  | 8015 NM |            |
| 880-54279-17  | SB-09 DUP (10-15) | Total/NA  | Solid  | 8015 NM |            |
| 880-54279-18  | SB-11 (4-5)       | Total/NA  | Solid  | 8015 NM |            |
| 880-54279-24  | SB-13 (0-1)       | Total/NA  | Solid  | 8015 NM |            |
| 880-54279-25  | SB-13 (1-2)       | Total/NA  | Solid  | 8015 NM |            |
| 880-54279-26  | SB-13 (2-3)       | Total/NA  | Solid  | 8015 NM |            |
| 880-54279-27  | SB-13 (3-4)       | Total/NA  | Solid  | 8015 NM |            |
| 880-54279-28  | SB-14 (0-1)       | Total/NA  | Solid  | 8015 NM |            |
| 880-54279-29  | SB-14 DUP (0-1)   | Total/NA  | Solid  | 8015 NM |            |
| 880-54279-30  | SB-14 (1-2)       | Total/NA  | Solid  | 8015 NM |            |
| 880-54279-31  | SB-14 (2-3)       | Total/NA  | Solid  | 8015 NM |            |
| 880-54279-32  | SB-14 (3-4)       | Total/NA  | Solid  | 8015 NM |            |

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## QC Association Summary

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

## HPLC/IC

## Leach Batch: 102435

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-54279-1         | SB-07 (20-21)          | Soluble   | Solid  | DI Leach |            |
| 880-54279-6         | SB-08 (20-21)          | Soluble   | Solid  | DI Leach |            |
| 880-54279-14        | SB-09 (5-10)           | Soluble   | Solid  | DI Leach |            |
| 880-54279-15        | SB-09 (10-15)          | Soluble   | Solid  | DI Leach |            |
| 880-54279-16        | SB-09 (15-20)          | Soluble   | Solid  | DI Leach |            |
| 880-54279-17        | SB-09 DUP (10-15)      | Soluble   | Solid  | DI Leach |            |
| 880-54279-18        | SB-11 (4-5)            | Soluble   | Solid  | DI Leach |            |
| 880-54279-24        | SB-13 (0-1)            | Soluble   | Solid  | DI Leach |            |
| 880-54279-25        | SB-13 (1-2)            | Soluble   | Solid  | DI Leach |            |
| 880-54279-26        | SB-13 (2-3)            | Soluble   | Solid  | DI Leach |            |
| 880-54279-27        | SB-13 (3-4)            | Soluble   | Solid  | DI Leach |            |
| 880-54279-28        | SB-14 (0-1)            | Soluble   | Solid  | DI Leach |            |
| 880-54279-29        | SB-14 DUP (0-1)        | Soluble   | Solid  | DI Leach |            |
| 880-54279-30        | SB-14 (1-2)            | Soluble   | Solid  | DI Leach |            |
| 880-54279-31        | SB-14 (2-3)            | Soluble   | Solid  | DI Leach |            |
| 880-54279-32        | SB-14 (3-4)            | Soluble   | Solid  | DI Leach |            |
| MB 880-102435/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-102435/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-102435/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-54279-1 MS      | SB-07 (20-21)          | Soluble   | Solid  | DI Leach |            |
| 880-54279-1 MSD     | SB-07 (20-21)          | Soluble   | Solid  | DI Leach |            |
| 880-54279-27 MS     | SB-13 (3-4)            | Soluble   | Solid  | DI Leach |            |
| 880-54279-27 MSD    | SB-13 (3-4)            | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 102442

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-54279-1         | SB-07 (20-21)          | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-6         | SB-08 (20-21)          | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-14        | SB-09 (5-10)           | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-15        | SB-09 (10-15)          | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-16        | SB-09 (15-20)          | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-17        | SB-09 DUP (10-15)      | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-18        | SB-11 (4-5)            | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-24        | SB-13 (0-1)            | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-25        | SB-13 (1-2)            | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-26        | SB-13 (2-3)            | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-27        | SB-13 (3-4)            | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-28        | SB-14 (0-1)            | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-29        | SB-14 DUP (0-1)        | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-30        | SB-14 (1-2)            | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-31        | SB-14 (2-3)            | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-32        | SB-14 (3-4)            | Soluble   | Solid  | 300.0  | 102435     |
| MB 880-102435/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 102435     |
| LCS 880-102435/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 102435     |
| LCSD 880-102435/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-1 MS      | SB-07 (20-21)          | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-1 MSD     | SB-07 (20-21)          | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-27 MS     | SB-13 (3-4)            | Soluble   | Solid  | 300.0  | 102435     |
| 880-54279-27 MSD    | SB-13 (3-4)            | Soluble   | Solid  | 300.0  | 102435     |

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## Lab Chronicle

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

**Client Sample ID: SB-07 (20-21)****Lab Sample ID: 880-54279-1****Date Collected: 02/09/25 09:45****Matrix: Solid****Date Received: 02/10/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 102436       | 02/11/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/11/25 11:37       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/11/25 11:37       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102586       | 02/12/25 20:05       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 102438       | 02/11/25 09:16       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102536       | 02/12/25 20:05       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 102435       | 02/11/25 08:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102442       | 02/11/25 10:32       | CH      | EET MID |

**Client Sample ID: SB-08 (20-21)****Lab Sample ID: 880-54279-6****Date Collected: 02/09/25 11:50****Matrix: Solid****Date Received: 02/10/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 102436       | 02/11/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/11/25 11:58       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/11/25 11:58       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102586       | 02/12/25 21:06       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 102438       | 02/11/25 09:16       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102536       | 02/12/25 21:06       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 102435       | 02/11/25 08:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102442       | 02/11/25 10:51       | CH      | EET MID |

**Client Sample ID: SB-09 (5-10)****Lab Sample ID: 880-54279-14****Date Collected: 02/10/25 09:00****Matrix: Solid****Date Received: 02/10/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 102436       | 02/11/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/11/25 12:18       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/11/25 12:18       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102586       | 02/12/25 21:27       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 102438       | 02/11/25 09:16       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102536       | 02/12/25 21:27       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 102435       | 02/11/25 08:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102442       | 02/11/25 10:57       | CH      | EET MID |

**Client Sample ID: SB-09 (10-15)****Lab Sample ID: 880-54279-15****Date Collected: 02/10/25 09:05****Matrix: Solid****Date Received: 02/10/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 102436       | 02/11/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/11/25 12:39       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/11/25 12:39       | AJ      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

Client Sample ID: SB-09 (10-15)

Lab Sample ID: 880-54279-15

Date Collected: 02/10/25 09:05

Matrix: Solid

Date Received: 02/10/25 15:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102586       | 02/12/25 21:47       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 102438       | 02/11/25 09:16       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102536       | 02/12/25 21:47       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 102435       | 02/11/25 08:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102442       | 02/11/25 11:03       | CH      | EET MID |

Client Sample ID: SB-09 (15-20)

Lab Sample ID: 880-54279-16

Date Collected: 02/10/25 09:10

Matrix: Solid

Date Received: 02/10/25 15:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 102436       | 02/11/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/11/25 12:59       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/11/25 12:59       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102586       | 02/12/25 22:08       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 102438       | 02/11/25 09:16       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102536       | 02/12/25 22:08       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 102435       | 02/11/25 08:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 102442       | 02/11/25 11:09       | CH      | EET MID |

Client Sample ID: SB-09 DUP (10-15)

Lab Sample ID: 880-54279-17

Date Collected: 02/10/25 09:05

Matrix: Solid

Date Received: 02/10/25 15:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 102436       | 02/11/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/11/25 13:20       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/11/25 13:20       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102586       | 02/12/25 22:28       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 102438       | 02/11/25 09:16       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102536       | 02/12/25 22:28       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 102435       | 02/11/25 08:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102442       | 02/11/25 11:27       | CH      | EET MID |

Client Sample ID: SB-11 (4-5)

Lab Sample ID: 880-54279-18

Date Collected: 02/10/25 13:15

Matrix: Solid

Date Received: 02/10/25 15:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 102436       | 02/11/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/11/25 13:40       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/11/25 13:40       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102586       | 02/12/25 22:48       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 102438       | 02/11/25 09:16       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102536       | 02/12/25 22:48       | AJ      | EET MID |

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## Lab Chronicle

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

**Client Sample ID: SB-11 (4-5)****Lab Sample ID: 880-54279-18****Date Collected: 02/10/25 13:15****Matrix: Solid****Date Received: 02/10/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 102435       | 02/11/25 08:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102442       | 02/11/25 11:33       | CH      | EET MID |

**Client Sample ID: SB-13 (0-1)****Lab Sample ID: 880-54279-24****Date Collected: 02/10/25 14:00****Matrix: Solid****Date Received: 02/10/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5 mL         | 102436       | 02/11/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/11/25 14:01       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/11/25 14:01       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102586       | 02/12/25 23:09       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 102438       | 02/11/25 09:16       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102536       | 02/12/25 23:09       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 102435       | 02/11/25 08:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102442       | 02/11/25 11:39       | CH      | EET MID |

**Client Sample ID: SB-13 (1-2)****Lab Sample ID: 880-54279-25****Date Collected: 02/10/25 14:05****Matrix: Solid****Date Received: 02/10/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 102436       | 02/11/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/11/25 14:22       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/11/25 14:22       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102586       | 02/12/25 23:29       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 102438       | 02/11/25 09:16       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102536       | 02/12/25 23:29       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 102435       | 02/11/25 08:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102442       | 02/11/25 11:46       | CH      | EET MID |

**Client Sample ID: SB-13 (2-3)****Lab Sample ID: 880-54279-26****Date Collected: 02/10/25 14:10****Matrix: Solid****Date Received: 02/10/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 102436       | 02/11/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/11/25 14:42       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/11/25 14:42       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102586       | 02/12/25 23:49       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 102438       | 02/11/25 09:16       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102536       | 02/12/25 23:49       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 102435       | 02/11/25 08:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102442       | 02/11/25 11:52       | CH      | EET MID |

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## Lab Chronicle

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

**Client Sample ID: SB-13 (3-4)****Lab Sample ID: 880-54279-27****Date Collected: 02/10/25 14:15****Matrix: Solid****Date Received: 02/10/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 102436       | 02/11/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/11/25 17:39       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/11/25 17:39       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102586       | 02/13/25 00:30       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 102438       | 02/11/25 09:16       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102536       | 02/13/25 00:30       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 102435       | 02/11/25 08:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          | 50 mL          | 50 mL        | 102442       | 02/11/25 11:58       | CH      | EET MID |

**Client Sample ID: SB-14 (0-1)****Lab Sample ID: 880-54279-28****Date Collected: 02/10/25 14:30****Matrix: Solid****Date Received: 02/10/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 102436       | 02/11/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/11/25 17:59       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/11/25 17:59       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102586       | 02/13/25 00:50       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 102438       | 02/11/25 09:16       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102536       | 02/13/25 00:50       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 102435       | 02/11/25 08:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102442       | 02/11/25 12:16       | CH      | EET MID |

**Client Sample ID: SB-14 DUP (0-1)****Lab Sample ID: 880-54279-29****Date Collected: 02/10/25 14:30****Matrix: Solid****Date Received: 02/10/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 102436       | 02/11/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/11/25 18:20       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/11/25 18:20       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102586       | 02/11/25 17:46       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 102393       | 02/10/25 14:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102417       | 02/11/25 17:46       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 102435       | 02/11/25 08:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102442       | 02/11/25 12:22       | CH      | EET MID |

**Client Sample ID: SB-14 (1-2)****Lab Sample ID: 880-54279-30****Date Collected: 02/10/25 14:35****Matrix: Solid****Date Received: 02/10/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 102436       | 02/11/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/11/25 18:40       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/11/25 18:40       | AJ      | EET MID |

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## Lab Chronicle

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

**Client Sample ID: SB-14 (1-2)****Lab Sample ID: 880-54279-30****Date Collected: 02/10/25 14:35****Matrix: Solid****Date Received: 02/10/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102586       | 02/11/25 18:06       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 102393       | 02/10/25 14:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102417       | 02/11/25 18:06       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 102435       | 02/11/25 08:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102442       | 02/11/25 12:40       | CH      | EET MID |

**Client Sample ID: SB-14 (2-3)****Lab Sample ID: 880-54279-31****Date Collected: 02/10/25 14:40****Matrix: Solid****Date Received: 02/10/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 102436       | 02/11/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/11/25 19:01       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/11/25 19:01       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102586       | 02/11/25 18:27       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 102393       | 02/10/25 14:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102417       | 02/11/25 18:27       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 102435       | 02/11/25 08:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102442       | 02/11/25 12:47       | CH      | EET MID |

**Client Sample ID: SB-14 (3-4)****Lab Sample ID: 880-54279-32****Date Collected: 02/10/25 14:45****Matrix: Solid****Date Received: 02/10/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 102436       | 02/11/25 08:59       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/11/25 19:21       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/11/25 19:21       | AJ      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 102586       | 02/11/25 18:48       | AJ      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 102393       | 02/10/25 14:35       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 102417       | 02/11/25 18:48       | AJ      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 102435       | 02/11/25 08:52       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 102442       | 02/11/25 12:53       | CH      | EET MID |

**Client Sample ID: TB-04****Lab Sample ID: 880-54279-34****Date Collected: 02/10/25 00:00****Matrix: Water****Date Received: 02/10/25 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 102428       | 02/12/25 01:02       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 102524       | 02/12/25 01:02       | AJ      | EET MID |

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Accreditation/Certification Summary

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |
| Total BTEX                                                                                                                                                                                            |             | Water                 | Total BTEX      |



Method Summary

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5030B       | Purge and Trap                     | SW846    | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

## Sample Summary

Client: AECOM  
Project/Site: AMOCO Fed 11 CTB

Job ID: 880-54279-2  
SDG: Loving NM

| Lab Sample ID | Client Sample ID  | Matrix | Collected      | Received       |
|---------------|-------------------|--------|----------------|----------------|
| 880-54279-1   | SB-07 (20-21)     | Solid  | 02/09/25 09:45 | 02/10/25 15:00 |
| 880-54279-6   | SB-08 (20-21)     | Solid  | 02/09/25 11:50 | 02/10/25 15:00 |
| 880-54279-14  | SB-09 (5-10)      | Solid  | 02/10/25 09:00 | 02/10/25 15:00 |
| 880-54279-15  | SB-09 (10-15)     | Solid  | 02/10/25 09:05 | 02/10/25 15:00 |
| 880-54279-16  | SB-09 (15-20)     | Solid  | 02/10/25 09:10 | 02/10/25 15:00 |
| 880-54279-17  | SB-09 DUP (10-15) | Solid  | 02/10/25 09:05 | 02/10/25 15:00 |
| 880-54279-18  | SB-11 (4-5)       | Solid  | 02/10/25 13:15 | 02/10/25 15:00 |
| 880-54279-24  | SB-13 (0-1)       | Solid  | 02/10/25 14:00 | 02/10/25 15:00 |
| 880-54279-25  | SB-13 (1-2)       | Solid  | 02/10/25 14:05 | 02/10/25 15:00 |
| 880-54279-26  | SB-13 (2-3)       | Solid  | 02/10/25 14:10 | 02/10/25 15:00 |
| 880-54279-27  | SB-13 (3-4)       | Solid  | 02/10/25 14:15 | 02/10/25 15:00 |
| 880-54279-28  | SB-14 (0-1)       | Solid  | 02/10/25 14:30 | 02/10/25 15:00 |
| 880-54279-29  | SB-14 DUP (0-1)   | Solid  | 02/10/25 14:30 | 02/10/25 15:00 |
| 880-54279-30  | SB-14 (1-2)       | Solid  | 02/10/25 14:35 | 02/10/25 15:00 |
| 880-54279-31  | SB-14 (2-3)       | Solid  | 02/10/25 14:40 | 02/10/25 15:00 |
| 880-54279-32  | SB-14 (3-4)       | Solid  | 02/10/25 14:45 | 02/10/25 15:00 |
| 880-54279-34  | TB-04             | Water  | 02/10/25 00:00 | 02/10/25 15:00 |



## Environment Testing

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
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EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060



880-54279 Chain of Custody

Wor

Page 1 of 4

|                  |                           |                         |                         |
|------------------|---------------------------|-------------------------|-------------------------|
| Project Manager: | Brad Wyanc                | Bill to: (if different) |                         |
| Company Name:    | AECOM                     | Company Name:           |                         |
| Address:         | 13355 Nobel Rd. Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas, TX 75240          | City, State ZIP:        |                         |
| Phone:           | 214-971-1829              | Email:                  | Bradley.Wyanc@AECOM.com |

| Project Name:            |              | Turn Around                                                                     |                                          | Pres. Code                                                                   |       | ANALYSIS REQUEST |           | Preservative Codes                                                |                            |
|--------------------------|--------------|---------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------------|-------|------------------|-----------|-------------------------------------------------------------------|----------------------------|
| Project Number:          | 60743624     | <input type="checkbox"/> Routine                                                | <input checked="" type="checkbox"/> Rush |                                                                              |       |                  |           | None: NO                                                          | DI Water: H <sub>2</sub> O |
| Project Location:        | Living, NM   | Due Date:                                                                       | 3 Day                                    |                                                                              |       |                  |           | Cool: Cool                                                        | MeOH: Me                   |
| Sampler's Name:          | James Lively | TAT starts the day received by the lab, if received by 4:30pm                   |                                          |                                                                              |       |                  |           | HCL: HC                                                           | HNO <sub>3</sub>           |
| PO #:                    |              |                                                                                 |                                          |                                                                              |       |                  |           | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>                   | NaOH: Na                   |
| SAMPLE RECEIPT           |              | Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |                                          | Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |       |                  |           | H <sub>3</sub> PO <sub>4</sub> : HP                               |                            |
| Samples Received Intact: |              | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>             |                                          | Thermometer ID:                                                              |       |                  |           | NaHSO <sub>4</sub> : NABIS                                        |                            |
| Cooler Custody Seals:    |              | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>             |                                          | Correction Factor:                                                           |       |                  |           | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |                            |
| Sample Custody Seals:    |              | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>             |                                          | Temperature Reading:                                                         |       |                  |           | Zn Acetate+NaOH: Zn                                               |                            |
| Total Containers:        |              |                                                                                 |                                          | Corrected Temperature:                                                       |       |                  |           | NaOH+Ascorbic Acid: SAPC                                          |                            |
| Sample Identification    |              | Matrix                                                                          | Date Sampled                             | Time Sampled                                                                 | Depth | Grab/Comp        | # of Cont | Sample Comments                                                   |                            |
| SB-07 (20-21)            | Soil         | 2/19/25                                                                         | 09:15                                    | 20-21                                                                        | G     | 1                | 1         |                                                                   |                            |
| SB-07 (21-22)            |              |                                                                                 | 09:18                                    | 21-22                                                                        |       | 1                | 1         |                                                                   | Hold                       |
| SB-07 (22-23)            |              |                                                                                 | 09:51                                    | 22-23                                                                        |       | 1                | 1         |                                                                   | Hold                       |
| SB-07 (23-24)            |              |                                                                                 | 09:54                                    | 23-24                                                                        |       | 1                | 1         |                                                                   | Hold                       |
| SB-07 (24-25)            |              |                                                                                 | 09:57                                    | 24-25                                                                        |       | 1                | 1         |                                                                   | Hold                       |
| SB-08 (20-21)            |              |                                                                                 | 11:50                                    | 20-21                                                                        |       | 1                | 1         |                                                                   | Hold                       |
| SB-08 (21-22)            |              |                                                                                 | 11:53                                    | 21-22                                                                        |       | 1                | 1         |                                                                   | Hold                       |
| SB-08 (22-23)            |              |                                                                                 | 11:56                                    | 22-23                                                                        |       | 1                | 1         |                                                                   | Hold                       |
| SB-08 (23-24)            |              |                                                                                 | 11:59                                    | 23-24                                                                        |       | 1                | 1         |                                                                   | Hold                       |
| SB-08 (24-25)            |              |                                                                                 | 12:02                                    | 24-25                                                                        | ↓     | 1                | 1         |                                                                   | Hold                       |

|                                              |               |                         |          |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |   |    |    |                  |    |    |    |    |   |   |    |
|----------------------------------------------|---------------|-------------------------|----------|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|---|----|----|------------------|----|----|----|----|---|---|----|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM             | Texas 11 | Al | Sb | As | Ba | Be | B | Cd | Ca | Cr | Cu | Co | Fe | Pb | Mg | Mn | Mo | Ni | K | Se | Ag | SiO <sub>2</sub> | Na | Sr | Ti | Sn | U | V | Zn |
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010: 8RCRA |          | Sb |    | As | Ba | Be | B | Cd | Ca | Cr | Cu | Co | Fe | Pb | Mg | Mn | Mo | Ni | K | Se | Ag | SiO <sub>2</sub> | Na | Sr | Ti | Sn | U | V | Zn |

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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time                 | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|---------------------------|------------------------------|--------------------------|-----------|
| 1 <i>[Signature]</i>         |                          | 2/10/25 1500 <sup>2</sup> |                              |                          |           |
| 3 <i>[Signature]</i>         |                          | 4                         |                              |                          |           |
| 5                            |                          | 6                         |                              |                          |           |

Revised Date: 09/25/2020 Rev. 2020.2





## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3189  
Little Rock, AR (501) 224-5060

## Environment Testing

Work Order No:

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|                  |                          |                         |                         |
|------------------|--------------------------|-------------------------|-------------------------|
| Project Manager: | Brad Wynne               | Bill to: (if different) |                         |
| Company Name:    | AECOM                    | Company Name:           |                         |
| Address:         | 13355 Noel Rd. Suite 400 | Address:                |                         |
| City, State ZIP: | Dallas TX 75240          | City, State ZIP:        |                         |
| Phone:           | 214-971-1829             | Email:                  | Bradley.Wynne@AECOM.com |

|                                                                                                                                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order Comments                                                                                                                                                              |  |
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>      |  |
| State of Project:                                                                                                                                                                |  |
| Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |  |
| Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:                                                                                                 |  |

| SAMPLE RECEIPT        |        | Turn Around  |              | Parameters |           | ANALYSIS REQUEST |  | Preservative Codes |                                                                                                                                                                                                                                                                                   |
|-----------------------|--------|--------------|--------------|------------|-----------|------------------|--|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth      | Grab/Comp | Pres. Code       |  |                    |                                                                                                                                                                                                                                                                                   |
| SB-08 (25-26)         | Soil   | 2/9/25       | 12:05        | 25-26      | G         |                  |  |                    | None: NO<br>Cool: Cool<br>HCL: HC<br>H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub><br>H <sub>3</sub> PO <sub>4</sub> : HP<br>NaHSO <sub>4</sub> : NABIS<br>Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub><br>Zn Acetate+NaOH: Zn<br>NaOH+Ascorbic Acid: SAPC |
| SB-08 (26-27)         | Soil   | 2/9/25       | 12:08        | 26-27      | G         |                  |  |                    | DI Water: H <sub>2</sub> O<br>MeOH: Me<br>HNO <sub>3</sub><br>NaOH: Na                                                                                                                                                                                                            |
| SB-08 (27-28)         | Soil   | 2/9/25       | 12:11        | 27-28      | G         |                  |  |                    |                                                                                                                                                                                                                                                                                   |
| SB-09 (5-10)          | Soil   | 2/10/25      | 09:09        | 5-10       | G         |                  |  |                    |                                                                                                                                                                                                                                                                                   |
| SB-09 (10-15)         | Soil   | 2/10/25      | 09:05        | 10-15      | G         |                  |  |                    |                                                                                                                                                                                                                                                                                   |
| SB-09 (15-20)         | Soil   | 2/10/25      | 09:10        | 15-20      | G         |                  |  |                    |                                                                                                                                                                                                                                                                                   |
| SB-09-DUP (10-15)     | Soil   | 2/10/25      | 09:05        | 10-15      | G         |                  |  |                    |                                                                                                                                                                                                                                                                                   |
| SB-11 (4-3)           | Soil   | 2/10/25      | 13:15        | 4-5        | G         |                  |  |                    |                                                                                                                                                                                                                                                                                   |
| SB-11 (5-6)           | Soil   | 2/10/25      | 13:18        | 5-6        | G         |                  |  |                    |                                                                                                                                                                                                                                                                                   |
| SB-11 (6-7)           | Soil   | 2/10/25      | 13:21        | 6-7        | G         |                  |  |                    |                                                                                                                                                                                                                                                                                   |

|                                              |                         |                                                |                                                                                               |
|----------------------------------------------|-------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020:           | 8RCRA 13PPM Texas 11                           | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010: 8RCRA | Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245.1 / 7470 / 7471                                                                |

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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| 1                            |                          | 2/10/25 1500 |                              |                          |           |
| 3                            |                          |              |                              |                          |           |
| 5                            |                          |              |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2



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 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3189  
 Little Rock, AR (501) 224-5060

## Environment Testing

Work Order No:

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|                  |                          |                         |                          |
|------------------|--------------------------|-------------------------|--------------------------|
| Project Manager: | Brad Wynne               | Bill to: (if different) |                          |
| Company Name:    | AELcom                   | Company Name:           |                          |
| Address:         | 13355 Noel Rd. Suite 400 | Address:                |                          |
| City, State ZIP: | Dallas, TX 75240         | City, State ZIP:        |                          |
| Phone:           | 214-971-1829             | Email:                  | Bradley.Wynne@AELcom.com |

|                   |                 |                                                               |                                          |  |
|-------------------|-----------------|---------------------------------------------------------------|------------------------------------------|--|
| Project Name:     | Amco Fed 11 CTB | Turn Around                                                   |                                          |  |
| Project Number:   | 60743624        | <input type="checkbox"/> Routine                              | <input checked="" type="checkbox"/> Rush |  |
| Project Location: | Loving NM       | Due Date:                                                     | 3 Day                                    |  |
| Sampler's Name:   | Jones Tony      | TAT starts the day received by the lab, if received by 4:30pm |                                          |  |
| PO #:             |                 |                                                               |                                          |  |

| SAMPLE RECEIPT           |             |              |              | Parameters             |           |    |            | # of Cont | Sample Comments |
|--------------------------|-------------|--------------|--------------|------------------------|-----------|----|------------|-----------|-----------------|
| Samples Received Intact: | Temp Blank: | Yes          | No           | Wet Ice:               | Yes       | No | Pres. Code |           |                 |
| Cooler Custody Seals:    | Yes         | No           | N/A          | Thermometer ID:        |           |    |            |           |                 |
| Sample Custody Seals:    | Yes         | No           | N/A          | Correction Factor:     |           |    |            |           |                 |
| Total Containers:        |             |              |              | Temperature Reading:   |           |    |            |           |                 |
|                          |             |              |              | Corrected Temperature: |           |    |            |           |                 |
| Sample Identification    | Matrix      | Date Sampled | Time Sampled | Depth                  | Grab/Comp |    |            |           |                 |
| SB-11 (7-8)              | Soil        | 2/10/25      | 1324         | 7-8                    | G         | 1  |            |           | Hold            |
| SB-11 (8-9)              | Soil        | 2/10/25      | 1327         | 8-9                    | G         | 1  |            |           | Hold            |
| SB-11 (9-10)             | Soil        | 2/10/25      | 1330         | 9-10                   | G         | 1  |            |           | Hold            |
| SB-13 (0-1)              | Soil        | 2/10/25      | 1400         | 0-1                    | G         | 1  |            |           |                 |
| SB-13 (1-2)              | Soil        | 2/10/25      | 1405         | 1-2                    | G         | 1  |            |           |                 |
| SB-13 (2-3)              | Soil        | 2/10/25      | 1410         | 2-3                    | G         | 1  |            |           |                 |
| SB-13 (3-4)              | Soil        | 2/10/25      | 1415         | 3-4                    | G         | 1  |            |           |                 |
| SB-14 (0-1)              | Soil        | 2/10/25      | 1430         | 0-1                    | G         | 1  |            |           |                 |
| SB-14-Dup (0-1)          | Soil        | 2/10/25      | 1430         | 0-1                    | G         | 1  |            |           |                 |
| SB-14 (1-2)              | Soil        | 2/10/25      | 1435         | 1-2                    | G         | 1  |            |           |                 |

|                                              |                                                                                                       |               |                                                                                                                    |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------|
| Total                                        | 200.7 / 6010                                                                                          | 200.8 / 6020: | 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCPL / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |               |                                                                                                                    |

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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| 1 <i>[Signature]</i>         |                          | 2/10/25 1500 |                              |                          |           |
| 3 <i>[Signature]</i>         |                          |              |                              |                          |           |
| 5 <i>[Signature]</i>         |                          |              |                              |                          |           |

Revised Date: 09/25/2020 Rev. 2020.2





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## Environment Testing

# Chain of Custody

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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 888-3189  
Little Rock, AR (501) 224-5060

**Work Order No.:**

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[illegible]



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-54279-2

SDG Number: Loving NM

**Login Number: 54279****List Number: 1****Creator: Kramer, Jessica****List Source: Eurofins Midland**

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

**Eurofins Midland**



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 7/23/2024 3:09:18 PM

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-46206-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
7/23/2024 3:09:18 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440



Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-46206-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46206-1  
SDG: Loving, NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| *1        | LCS/LCSD RPD exceeds control limits.                     |
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| U         | Indicates the analyte was analyzed for but not detected. |

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ▫              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-46206-1

**Job ID: 880-46206-1**

**Eurofins Midland**

### Job Narrative 880-46206-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 7/19/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.2°C.

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

Method 8015MOD\_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: BF-WPRN-N1-20240718 (880-46206-1), (CCV 880-86152/6) and (890-6942-A-1-A). Percent recoveries are based on the amount spiked.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: BF-WPRN-S1-20240718 (880-46206-2), (CCV 880-86152/31), (890-6942-A-1-B MS) and (890-6942-A-1-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The RPD of the laboratory control sample duplicate (LCSD) for preparation batch 880-86109 and analytical batch 880-86152 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-86152 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-86152/21).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46206-1  
SDG: Loving, NM

Client Sample ID: BF-WPRN-N1-20240718

Lab Sample ID: 880-46206-1

Date Collected: 07/18/24 13:28

Matrix: Solid

Date Received: 07/19/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:27 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:27 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:27 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:27 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:27 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:27 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 | 07/22/24 08:49 | 07/22/24 12:27 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 | 07/22/24 08:49 | 07/22/24 12:27 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 | mg/Kg |   |          | 07/22/24 12:27 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 07/19/24 19:57 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 | mg/Kg |   | 07/18/24 16:50 | 07/19/24 19:57 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U *1      | 49.9 | mg/Kg |   | 07/18/24 16:50 | 07/19/24 19:57 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 | mg/Kg |   | 07/18/24 16:50 | 07/19/24 19:57 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 64        | S1-       | 70 - 130 | 07/18/24 16:50 | 07/19/24 19:57 | 1       |
| o-Terphenyl    | 56        | S1-       | 70 - 130 | 07/18/24 16:50 | 07/19/24 19:57 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 34.9   |           | 5.02 | mg/Kg |   |          | 07/20/24 04:52 | 1       |

Client Sample ID: BF-WPRN-S1-20240718

Lab Sample ID: 880-46206-2

Date Collected: 07/18/24 13:32

Matrix: Solid

Date Received: 07/19/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:48 | 1       |
| Toluene             | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:48 | 1       |
| Ethylbenzene        | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:48 | 1       |
| m-Xylene & p-Xylene | <0.00404 | U         | 0.00404 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:48 | 1       |
| o-Xylene            | <0.00202 | U         | 0.00202 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:48 | 1       |
| Xylenes, Total      | <0.00404 | U         | 0.00404 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:48 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 | 07/22/24 08:49 | 07/22/24 12:48 | 1       |
| 1,4-Difluorobenzene (Surr)  | 90        |           | 70 - 130 | 07/22/24 08:49 | 07/22/24 12:48 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46206-1  
SDG: Loving, NM

Client Sample ID: BF-WPRN-S1-20240718  
Date Collected: 07/18/24 13:32  
Date Received: 07/19/24 08:00

Lab Sample ID: 880-46206-2  
Matrix: Solid

|                                                     |          |           |         |       |   |          |                |         |  |
|-----------------------------------------------------|----------|-----------|---------|-------|---|----------|----------------|---------|--|
| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |       |   |          |                |         |  |
| Analyte                                             | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total BTEX                                          | <0.00404 | U         | 0.00404 | mg/Kg |   |          | 07/22/24 12:48 | 1       |  |

|                                                          |        |           |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |       |   |          |                |         |  |
| Analyte                                                  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH                                                | <50.0  | U         | 50.0 | mg/Kg |   |          | 07/19/24 20:12 | 1       |  |

|                                                           |           |           |          |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|
| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |       |   |                |                |         |  |
| Analyte                                                   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <50.0     | U         | 50.0     | mg/Kg |   | 07/18/24 16:50 | 07/19/24 20:12 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <50.0     | U *1      | 50.0     | mg/Kg |   | 07/18/24 16:50 | 07/19/24 20:12 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <50.0     | U         | 50.0     | mg/Kg |   | 07/18/24 16:50 | 07/19/24 20:12 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 71        |           | 70 - 130 |       |   | 07/18/24 16:50 | 07/19/24 20:12 | 1       |  |
| o-Terphenyl                                               | 64        | S1-       | 70 - 130 |       |   | 07/18/24 16:50 | 07/19/24 20:12 | 1       |  |

|                                                          |        |           |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-------|---|----------|----------------|---------|--|
| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |   |          |                |         |  |
| Analyte                                                  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride                                                 | 68.1   |           | 5.05 | mg/Kg |   |          | 07/20/24 04:58 | 1       |  |

Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46206-1  
SDG: Loving, NM

Method: 8021B - Volatile Organic Compounds (GC)  
Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-46206-1                       | BF-WPRN-N1-20240718    | 100                                            | 92                |
| 880-46206-1 MS                    | BF-WPRN-N1-20240718    | 94                                             | 98                |
| 880-46206-1 MSD                   | BF-WPRN-N1-20240718    | 89                                             | 101               |
| 880-46206-2                       | BF-WPRN-S1-20240718    | 102                                            | 90                |
| LCS 880-86223/1-A                 | Lab Control Sample     | 88                                             | 102               |
| LCSD 880-86223/2-A                | Lab Control Sample Dup | 91                                             | 101               |
| MB 880-86223/5-A                  | Method Blank           | 97                                             | 82                |
| Surrogate Legend                  |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

Method: 8015B NM - Diesel Range Organics (DRO) (GC)  
Matrix: Solid

Prep Type: Total/NA

|                      |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|----------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID        | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-46206-1          | BF-WPRN-N1-20240718    | 64 S1-                                         | 56 S1-            |
| 880-46206-2          | BF-WPRN-S1-20240718    | 71                                             | 64 S1-            |
| LCS 880-86109/2-A    | Lab Control Sample     | 83                                             | 70                |
| LCSD 880-86109/3-A   | Lab Control Sample Dup | 125                                            | 107               |
| MB 880-86109/1-A     | Method Blank           | 116                                            | 112               |
| Surrogate Legend     |                        |                                                |                   |
| 1CO = 1-Chlorooctane |                        |                                                |                   |
| OTPH = o-Terphenyl   |                        |                                                |                   |



## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46206-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-86223/5-A

Matrix: Solid

Analysis Batch: 86219

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86223

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:06 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:06 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:06 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:06 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:06 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | mg/Kg |   | 07/22/24 08:49 | 07/22/24 12:06 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97              |                 | 70 - 130 | 07/22/24 08:49 | 07/22/24 12:06 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82              |                 | 70 - 130 | 07/22/24 08:49 | 07/22/24 12:06 | 1       |

Lab Sample ID: LCS 880-86223/1-A

Matrix: Solid

Analysis Batch: 86219

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86223

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.09534       |                  | mg/Kg |   | 95   | 70 - 130       |
| Toluene             | 0.100          | 0.08367       |                  | mg/Kg |   | 84   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.09284       |                  | mg/Kg |   | 93   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1690        |                  | mg/Kg |   | 85   | 70 - 130       |
| o-Xylene            | 0.100          | 0.08746       |                  | mg/Kg |   | 87   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 88               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-86223/2-A

Matrix: Solid

Analysis Batch: 86219

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86223

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.09226        |                   | mg/Kg |   | 92   | 70 - 130       | 3   | 35           |
| Toluene             | 0.100          | 0.08113        |                   | mg/Kg |   | 81   | 70 - 130       | 3   | 35           |
| Ethylbenzene        | 0.100          | 0.08994        |                   | mg/Kg |   | 90   | 70 - 130       | 3   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.1644         |                   | mg/Kg |   | 82   | 70 - 130       | 3   | 35           |
| o-Xylene            | 0.100          | 0.08564        |                   | mg/Kg |   | 86   | 70 - 130       | 2   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 91                |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101               |                   | 70 - 130 |

Lab Sample ID: 880-46206-1 MS

Matrix: Solid

Analysis Batch: 86219

Client Sample ID: BF-WPRN-N1-20240718

Prep Type: Total/NA

Prep Batch: 86223

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00200         | U                   | 0.100          | 0.08880      |                 | mg/Kg |   | 89   | 70 - 130       |
| Toluene | <0.00200         | U                   | 0.100          | 0.07851      |                 | mg/Kg |   | 79   | 70 - 130       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46206-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-46206-1 MS

Matrix: Solid

Analysis Batch: 86219

Client Sample ID: BF-WPRN-N1-20240718

Prep Type: Total/NA

Prep Batch: 86223

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.08726   |              | mg/Kg |   | 87   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00399      | U                | 0.200       | 0.1590    |              | mg/Kg |   | 79   | 70 - 130    |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.08303   |              | mg/Kg |   | 83   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 94           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 98           |              | 70 - 130 |

Lab Sample ID: 880-46206-1 MSD

Matrix: Solid

Analysis Batch: 86219

Client Sample ID: BF-WPRN-N1-20240718

Prep Type: Total/NA

Prep Batch: 86223

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00200      | U                | 0.100       | 0.1021     |               | mg/Kg |   | 102  | 70 - 130    | 14  | 35        |
| Toluene             | <0.00200      | U                | 0.100       | 0.08998    |               | mg/Kg |   | 90   | 70 - 130    | 14  | 35        |
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.09966    |               | mg/Kg |   | 100  | 70 - 130    | 13  | 35        |
| m-Xylene & p-Xylene | <0.00399      | U                | 0.200       | 0.1830     |               | mg/Kg |   | 91   | 70 - 130    | 14  | 35        |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.09441    |               | mg/Kg |   | 94   | 70 - 130    | 13  | 35        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 89            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101           |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-86109/1-A

Matrix: Solid

Analysis Batch: 86152

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86109

| Analyte                              | MB Result | MB Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 | mg/Kg |   | 07/18/24 16:50 | 07/19/24 10:39 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 | mg/Kg |   | 07/18/24 16:50 | 07/19/24 10:39 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 | mg/Kg |   | 07/18/24 16:50 | 07/19/24 10:39 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 116          |              | 70 - 130 | 07/18/24 16:50 | 07/19/24 10:39 | 1       |
| o-Terphenyl    | 112          |              | 70 - 130 | 07/18/24 16:50 | 07/19/24 10:39 | 1       |

Lab Sample ID: LCS 880-86109/2-A

Matrix: Solid

Analysis Batch: 86152

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86109

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 894.0      |               | mg/Kg |   | 89   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 726.9      |               | mg/Kg |   | 73   | 70 - 130    |

Eurofins Midland

## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46206-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-86109/2-A  
Matrix: Solid  
Analysis Batch: 86152

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 86109

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 83        |           | 70 - 130 |
| o-Terphenyl    | 70        |           | 70 - 130 |

Lab Sample ID: LCSD 880-86109/3-A  
Matrix: Solid  
Analysis Batch: 86152

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 86109

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 979.1       |                | mg/Kg |   | 98   | 70 - 130    | 9   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1084        | *1             | mg/Kg |   | 108  | 70 - 130    | 39  | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 125       |           | 70 - 130 |
| o-Terphenyl    | 107       |           | 70 - 130 |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-86192/1-A  
Matrix: Solid  
Analysis Batch: 86197

Client Sample ID: Method Blank  
Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 | mg/Kg |   |          | 07/20/24 03:50 | 1       |

Lab Sample ID: LCS 880-86192/2-A  
Matrix: Solid  
Analysis Batch: 86197

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 239.1      |               | mg/Kg |   | 96   | 90 - 110    |

Lab Sample ID: LCSD 880-86192/3-A  
Matrix: Solid  
Analysis Batch: 86197

Client Sample ID: Lab Control Sample Dup  
Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 239.3       |                | mg/Kg |   | 96   | 90 - 110    | 0   | 20        |



## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46206-1  
SDG: Loving, NM

## GC VOA

## Analysis Batch: 86219

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46206-1        | BF-WPRN-N1-20240718    | Total/NA  | Solid  | 8021B  | 86223      |
| 880-46206-2        | BF-WPRN-S1-20240718    | Total/NA  | Solid  | 8021B  | 86223      |
| MB 880-86223/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 86223      |
| LCS 880-86223/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 86223      |
| LCSD 880-86223/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 86223      |
| 880-46206-1 MS     | BF-WPRN-N1-20240718    | Total/NA  | Solid  | 8021B  | 86223      |
| 880-46206-1 MSD    | BF-WPRN-N1-20240718    | Total/NA  | Solid  | 8021B  | 86223      |

## Prep Batch: 86223

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46206-1        | BF-WPRN-N1-20240718    | Total/NA  | Solid  | 5035   |            |
| 880-46206-2        | BF-WPRN-S1-20240718    | Total/NA  | Solid  | 5035   |            |
| MB 880-86223/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-86223/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-86223/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-46206-1 MS     | BF-WPRN-N1-20240718    | Total/NA  | Solid  | 5035   |            |
| 880-46206-1 MSD    | BF-WPRN-N1-20240718    | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 86365

| Lab Sample ID | Client Sample ID    | Prep Type | Matrix | Method     | Prep Batch |
|---------------|---------------------|-----------|--------|------------|------------|
| 880-46206-1   | BF-WPRN-N1-20240718 | Total/NA  | Solid  | Total BTEX |            |
| 880-46206-2   | BF-WPRN-S1-20240718 | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 86109

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-46206-1        | BF-WPRN-N1-20240718    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46206-2        | BF-WPRN-S1-20240718    | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-86109/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-86109/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-86109/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 86152

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46206-1        | BF-WPRN-N1-20240718    | Total/NA  | Solid  | 8015B NM | 86109      |
| 880-46206-2        | BF-WPRN-S1-20240718    | Total/NA  | Solid  | 8015B NM | 86109      |
| MB 880-86109/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 86109      |
| LCS 880-86109/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 86109      |
| LCSD 880-86109/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 86109      |

## Analysis Batch: 86402

| Lab Sample ID | Client Sample ID    | Prep Type | Matrix | Method  | Prep Batch |
|---------------|---------------------|-----------|--------|---------|------------|
| 880-46206-1   | BF-WPRN-N1-20240718 | Total/NA  | Solid  | 8015 NM |            |
| 880-46206-2   | BF-WPRN-S1-20240718 | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 86192

| Lab Sample ID | Client Sample ID    | Prep Type | Matrix | Method   | Prep Batch |
|---------------|---------------------|-----------|--------|----------|------------|
| 880-46206-1   | BF-WPRN-N1-20240718 | Soluble   | Solid  | DI Leach |            |
| 880-46206-2   | BF-WPRN-S1-20240718 | Soluble   | Solid  | DI Leach |            |

Eurofins Midland

QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46206-1  
SDG: Loving, NM

HPLC/IC (Continued)

Leach Batch: 86192 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| MB 880-86192/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-86192/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-86192/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |

Analysis Batch: 86197

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46206-1        | BF-WPRN-N1-20240718    | Soluble   | Solid  | 300.0  | 86192      |
| 880-46206-2        | BF-WPRN-S1-20240718    | Soluble   | Solid  | 300.0  | 86192      |
| MB 880-86192/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 86192      |
| LCS 880-86192/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 86192      |
| LCSD 880-86192/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 86192      |

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46206-1  
SDG: Loving, NM

Client Sample ID: BF-WPRN-N1-20240718  
Date Collected: 07/18/24 13:28  
Date Received: 07/19/24 08:00

Lab Sample ID: 880-46206-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 86223        | 07/22/24 08:49       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86219        | 07/22/24 12:27       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86365        | 07/22/24 12:27       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86402        | 07/19/24 19:57       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 86109        | 07/18/24 16:50       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86152        | 07/19/24 19:57       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.98 g         | 50 mL        | 86192        | 07/19/24 16:21       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86197        | 07/20/24 04:52       | CH      | EET MID |

Client Sample ID: BF-WPRN-S1-20240718  
Date Collected: 07/18/24 13:32  
Date Received: 07/19/24 08:00

Lab Sample ID: 880-46206-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 86223        | 07/22/24 08:49       | AA      | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86219        | 07/22/24 12:48       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86365        | 07/22/24 12:48       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86402        | 07/19/24 20:12       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 86109        | 07/18/24 16:50       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86152        | 07/19/24 20:12       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 86192        | 07/19/24 16:21       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86197        | 07/20/24 04:58       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46206-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |

Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46206-1  
SDG: Loving, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46206-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID    | Matrix | Collected      | Received       |
|---------------|---------------------|--------|----------------|----------------|
| 880-46206-1   | BF-WPRN-N1-20240718 | Solid  | 07/18/24 13:28 | 07/19/24 08:00 |
| 880-46206-2   | BF-WPRN-S1-20240718 | Solid  | 07/18/24 13:32 | 07/19/24 08:00 |

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## Environment Testing

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 802-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1298  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5060



Work O

880-46206 Chain of Custody

Page 1 of 1

|                                           |  |                                      |  |
|-------------------------------------------|--|--------------------------------------|--|
| Project Manager: <b>BRAD WYNN</b>         |  | Bill to: (if different)              |  |
| Company Name: <b>AECOM</b>                |  | Company Name:                        |  |
| Address: <b>13355 NOEL RD, STE 400</b>    |  | Address:                             |  |
| City, State ZIP: <b>DALLAS, TX, 75240</b> |  | City, State ZIP:                     |  |
| Phone: <b>214-971-1829</b>                |  | Email: <b>bradley.wynn@aecom.com</b> |  |

|                                              |  |                                                                           |  |
|----------------------------------------------|--|---------------------------------------------------------------------------|--|
| Project Name: <b>Ameco CIR</b>               |  | Turn Around                                                               |  |
| Project Number: <b>60734207</b>              |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |
| Project Location: <b>Lovings, New Mexico</b> |  | Due Date: <b>2 Day</b>                                                    |  |
| Sampler's Name: <b>B. Clend, J. Lovey</b>    |  | TAT starts the day received by the lab, if received by 4:30pm             |  |
| PO #:                                        |  |                                                                           |  |

|                                                                                              |  |                                                                                 |  |                                                                              |  |
|----------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------|--|------------------------------------------------------------------------------|--|
| SAMPLE RECEIPT                                                                               |  | Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Wet Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |  |
| Samples Received Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |  | Thermometer ID:                                                                 |  | Correction Factor:                                                           |  |
| Cooler Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>    |  | Temperature Reading:                                                            |  | Corrected Temperature:                                                       |  |
| Sample Custody Seals: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>    |  | Total Containers:                                                               |  |                                                                              |  |

| Sample Identification    | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters           | Preservative Codes                                                                                                                                                                                                                                                                | Sample Comments |
|--------------------------|--------|--------------|--------------|-------|-----------|-----------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| BF-WPRN-N1-20240718 So.1 |        | 7/18/24      | 13:28        | —     | C         | 1         | Chloride SM4500 CR-B | None: NO<br>Cool: Cool<br>HCL: HC<br>H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub><br>H <sub>3</sub> PO <sub>4</sub> : HP<br>NaHSO <sub>4</sub> : NABIS<br>Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub><br>Zn Acetate+NaOH: Zn<br>NaOH+Ascorbic Acid: SAPC |                 |
| BF-WPRN-S1-20240718 So.1 |        | 7/18/24      | 13:32        | —     | C         | 1         | BTEX                 |                                                                                                                                                                                                                                                                                   |                 |
| BF-WPRS-N1-20240718 So.1 |        | 7/18/24      | 13:36        | —     | C         | 1         | TPH                  |                                                                                                                                                                                                                                                                                   |                 |
| BF-WPRS-S1-20240718 So.1 |        | 7/18/24      | 13:40        | —     | C         | 1         |                      |                                                                                                                                                                                                                                                                                   |                 |

|                                              |               |                                                                                                       |          |                                                                                               |
|----------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020: | 8RCRA 13PPM                                                                                           | Texas 11 | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed |               | TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471 |          |                                                                                               |

Notes: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| 1. <i>[Signature]</i>        | <i>[Signature]</i>       | 7/18/24 1630 |                              |                          |           |
| 3. <i>[Signature]</i>        |                          |              |                              |                          |           |
| 5. <i>[Signature]</i>        |                          |              |                              |                          |           |

Revised Date: 06/25/2020 Rev: 2020.2

## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46206-1

SDG Number: Loving, NM

Login Number: 46206

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 7/25/2024 2:39:13 PM

## JOB DESCRIPTION

Amoco CTB  
Loving, NM

## JOB NUMBER

880-46397-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



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7/25/2024 2:39:13 PM

Authorized for release by  
Jessica Kramer, Project Manager  
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Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-46397-1  
SDG: Loving, NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46397-1  
SDG: Loving, NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                      |
|-----------|------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased. |
| U         | Indicates the analyte was analyzed for but not detected.   |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ⬤              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-46397-1

**Job ID: 880-46397-1**

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### Job Narrative 880-46397-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 7/24/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BF-WPRN-N2-20240723 (880-46397-1), BF-WPRN-N3-20240723 (880-46397-2), BF-WPRN-S2-20240723 (880-46397-3) and BF-WPRN-S3-20240723 (880-46397-4).

#### GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-86428 and analytical batch 880-86450 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-86400 and analytical batch 880-86530 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46397-1  
SDG: Loving, NM

Client Sample ID: BF-WPRN-N2-20240723

Lab Sample ID: 880-46397-1

Date Collected: 07/23/24 07:45

Matrix: Solid

Date Received: 07/24/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U **      | 0.00199 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 19:25 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 19:25 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 19:25 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 19:25 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 19:25 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 19:25 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 | 07/24/24 08:23 | 07/24/24 19:25 | 1       |
| 1,4-Difluorobenzene (Surr)  | 90        |           | 70 - 130 | 07/24/24 08:23 | 07/24/24 19:25 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 07/24/24 19:25 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 07/25/24 11:30 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 07/23/24 14:47 | 07/25/24 11:30 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 07/23/24 14:47 | 07/25/24 11:30 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 | mg/Kg |   | 07/23/24 14:47 | 07/25/24 11:30 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 119       |           | 70 - 130 | 07/23/24 14:47 | 07/25/24 11:30 | 1       |
| o-Terphenyl    | 109       |           | 70 - 130 | 07/23/24 14:47 | 07/25/24 11:30 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 40.8   |           | 4.99 | mg/Kg |   |          | 07/24/24 18:38 | 1       |

Client Sample ID: BF-WPRN-N3-20240723

Lab Sample ID: 880-46397-2

Date Collected: 07/23/24 09:47

Matrix: Solid

Date Received: 07/24/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U **      | 0.00199 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 19:45 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 19:45 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 19:45 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 19:45 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 19:45 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 | mg/Kg |   | 07/24/24 08:23 | 07/24/24 19:45 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 | 07/24/24 08:23 | 07/24/24 19:45 | 1       |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 | 07/24/24 08:23 | 07/24/24 19:45 | 1       |

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## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46397-1  
SDG: Loving, NM

Client Sample ID: BF-WPRN-N3-20240723

Lab Sample ID: 880-46397-2

Date Collected: 07/23/24 09:47

Matrix: Solid

Date Received: 07/24/24 08:00

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 | mg/Kg |   |          | 07/24/24 19:45 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 | mg/Kg |   |          | 07/25/24 12:23 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9     | U         | 49.9     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 12:23 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9     | U         | 49.9     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 12:23 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 12:23 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 106       |           | 70 - 130 |       |   | 07/23/24 14:47 | 07/25/24 12:23 | 1       |
| o-Terphenyl                          | 95        |           | 70 - 130 |       |   | 07/23/24 14:47 | 07/25/24 12:23 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 46.0   |           | 5.00 | mg/Kg |   |          | 07/24/24 18:43 | 1       |

Client Sample ID: BF-WPRN-S2-20240723

Lab Sample ID: 880-46397-3

Date Collected: 07/23/24 09:49

Matrix: Solid

Date Received: 07/24/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00200  | U **      | 0.00200  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:06 | 1       |
| Toluene                     | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:06 | 1       |
| Ethylbenzene                | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:06 | 1       |
| m-Xylene & p-Xylene         | <0.00401  | U         | 0.00401  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:06 | 1       |
| o-Xylene                    | <0.00200  | U         | 0.00200  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:06 | 1       |
| Xylenes, Total              | <0.00401  | U         | 0.00401  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:06 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 |       |   | 07/24/24 08:23 | 07/24/24 20:06 | 1       |
| 1,4-Difluorobenzene (Surr)  | 92        |           | 70 - 130 |       |   | 07/24/24 08:23 | 07/24/24 20:06 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U         | 0.00401 | mg/Kg |   |          | 07/24/24 20:06 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 | mg/Kg |   |          | 07/25/24 12:41 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 | mg/Kg |   | 07/23/24 14:47 | 07/25/24 12:41 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 | mg/Kg |   | 07/23/24 14:47 | 07/25/24 12:41 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46397-1  
SDG: Loving, NM

Client Sample ID: BF-WPRN-S2-20240723  
Date Collected: 07/23/24 09:49  
Date Received: 07/24/24 08:00

Lab Sample ID: 880-46397-3  
Matrix: Solid

| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued) |           |           |          |       |   |                |                |         |  |
|-----------------------------------------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|
| Analyte                                                               | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Oil Range Organics (Over C28-C36)                                     | <50.0     | U         | 50.0     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 12:41 | 1       |  |
| Surrogate                                                             | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                                        | 107       |           | 70 - 130 |       |   | 07/23/24 14:47 | 07/25/24 12:41 | 1       |  |
| o-Terphenyl                                                           | 99        |           | 70 - 130 |       |   | 07/23/24 14:47 | 07/25/24 12:41 | 1       |  |
| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble              |           |           |          |       |   |                |                |         |  |
| Analyte                                                               | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Chloride                                                              | 31.5      |           | 5.04     | mg/Kg |   |                | 07/24/24 18:49 | 1       |  |

Client Sample ID: BF-WPRN-S3-20240723  
Date Collected: 07/23/24 07:51  
Date Received: 07/24/24 08:00

Lab Sample ID: 880-46397-4  
Matrix: Solid

| Method: SW846 8021B - Volatile Organic Compounds (GC)     |           |           |          |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|--|
| Analyte                                                   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Benzene                                                   | <0.00201  | U **      | 0.00201  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:26 | 1       |  |
| Toluene                                                   | <0.00201  | U         | 0.00201  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:26 | 1       |  |
| Ethylbenzene                                              | <0.00201  | U         | 0.00201  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:26 | 1       |  |
| m-Xylene & p-Xylene                                       | <0.00402  | U         | 0.00402  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:26 | 1       |  |
| o-Xylene                                                  | <0.00201  | U         | 0.00201  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:26 | 1       |  |
| Xylenes, Total                                            | <0.00402  | U         | 0.00402  | mg/Kg |   | 07/24/24 08:23 | 07/24/24 20:26 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 4-Bromofluorobenzene (Surr)                               | 114       |           | 70 - 130 |       |   | 07/24/24 08:23 | 07/24/24 20:26 | 1       |  |
| 1,4-Difluorobenzene (Surr)                                | 93        |           | 70 - 130 |       |   | 07/24/24 08:23 | 07/24/24 20:26 | 1       |  |
| Method: TAL SOP Total BTEX - Total BTEX Calculation       |           |           |          |       |   |                |                |         |  |
| Analyte                                                   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Total BTEX                                                | <0.00402  | U         | 0.00402  | mg/Kg |   |                | 07/24/24 20:26 | 1       |  |
| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)  |           |           |          |       |   |                |                |         |  |
| Analyte                                                   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Total TPH                                                 | <49.8     | U         | 49.8     | mg/Kg |   |                | 07/25/24 12:58 | 1       |  |
| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |       |   |                |                |         |  |
| Analyte                                                   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <49.8     | U         | 49.8     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 12:58 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <49.8     | U         | 49.8     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 12:58 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <49.8     | U         | 49.8     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 12:58 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 115       |           | 70 - 130 |       |   | 07/23/24 14:47 | 07/25/24 12:58 | 1       |  |
| o-Terphenyl                                               | 103       |           | 70 - 130 |       |   | 07/23/24 14:47 | 07/25/24 12:58 | 1       |  |
| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble  |           |           |          |       |   |                |                |         |  |
| Analyte                                                   | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Chloride                                                  | 19.8      |           | 5.04     | mg/Kg |   |                | 07/24/24 18:54 | 1       |  |

Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46397-1  
SDG: Loving, NM

Method: 8021B - Volatile Organic Compounds (GC)  
Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-46397-1                       | BF-WPRN-N2-20240723    | 106                                            | 90                |
| 880-46397-2                       | BF-WPRN-N3-20240723    | 107                                            | 91                |
| 880-46397-3                       | BF-WPRN-S2-20240723    | 106                                            | 92                |
| 880-46397-4                       | BF-WPRN-S3-20240723    | 114                                            | 93                |
| LCS 880-86428/1-A                 | Lab Control Sample     | 94                                             | 104               |
| LCSD 880-86428/2-A                | Lab Control Sample Dup | 94                                             | 102               |
| MB 880-86428/5-A                  | Method Blank           | 96                                             | 81                |
| Surrogate Legend                  |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

Method: 8015B NM - Diesel Range Organics (DRO) (GC)  
Matrix: Solid

Prep Type: Total/NA

|                      |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|----------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID        | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-46397-1          | BF-WPRN-N2-20240723    | 119                                            | 109               |
| 880-46397-1 MS       | BF-WPRN-N2-20240723    | 96                                             | 87                |
| 880-46397-1 MSD      | BF-WPRN-N2-20240723    | 98                                             | 90                |
| 880-46397-2          | BF-WPRN-N3-20240723    | 106                                            | 95                |
| 880-46397-3          | BF-WPRN-S2-20240723    | 107                                            | 99                |
| 880-46397-4          | BF-WPRN-S3-20240723    | 115                                            | 103               |
| LCS 880-86400/2-A    | Lab Control Sample     | 88                                             | 83                |
| LCSD 880-86400/3-A   | Lab Control Sample Dup | 92                                             | 86                |
| MB 880-86400/1-A     | Method Blank           | 132 S1+                                        | 123               |
| Surrogate Legend     |                        |                                                |                   |
| 1CO = 1-Chlorooctane |                        |                                                |                   |
| OTPH = o-Terphenyl   |                        |                                                |                   |

## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46397-1  
SDG: Loving, NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-86428/5-A

Matrix: Solid

Analysis Batch: 86450

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86428

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00202     | U               | 0.00202 | mg/Kg |   | 07/23/24 16:57 | 07/24/24 12:44 | 1       |
| Toluene             | <0.00202     | U               | 0.00202 | mg/Kg |   | 07/23/24 16:57 | 07/24/24 12:44 | 1       |
| Ethylbenzene        | <0.00202     | U               | 0.00202 | mg/Kg |   | 07/23/24 16:57 | 07/24/24 12:44 | 1       |
| m-Xylene & p-Xylene | <0.00404     | U               | 0.00404 | mg/Kg |   | 07/23/24 16:57 | 07/24/24 12:44 | 1       |
| o-Xylene            | <0.00202     | U               | 0.00202 | mg/Kg |   | 07/23/24 16:57 | 07/24/24 12:44 | 1       |
| Xylenes, Total      | <0.00404     | U               | 0.00404 | mg/Kg |   | 07/23/24 16:57 | 07/24/24 12:44 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 96              |                 | 70 - 130 | 07/23/24 16:57 | 07/24/24 12:44 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81              |                 | 70 - 130 | 07/23/24 16:57 | 07/24/24 12:44 | 1       |

Lab Sample ID: LCS 880-86428/1-A

Matrix: Solid

Analysis Batch: 86450

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86428

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1316        | *+               | mg/Kg |   | 132  | 70 - 130       |
| Toluene             | 0.100          | 0.1146        |                  | mg/Kg |   | 115  | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.1176        |                  | mg/Kg |   | 118  | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.2358        |                  | mg/Kg |   | 118  | 70 - 130       |
| o-Xylene            | 0.100          | 0.1178        |                  | mg/Kg |   | 118  | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 94               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 104              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-86428/2-A

Matrix: Solid

Analysis Batch: 86450

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86428

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1281         |                   | mg/Kg |   | 128  | 70 - 130       | 3   | 35           |
| Toluene             | 0.100          | 0.1118         |                   | mg/Kg |   | 112  | 70 - 130       | 2   | 35           |
| Ethylbenzene        | 0.100          | 0.1147         |                   | mg/Kg |   | 115  | 70 - 130       | 2   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2292         |                   | mg/Kg |   | 115  | 70 - 130       | 3   | 35           |
| o-Xylene            | 0.100          | 0.1150         |                   | mg/Kg |   | 115  | 70 - 130       | 2   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 94                |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 102               |                   | 70 - 130 |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46397-1  
SDG: Loving, NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-86400/1-A

Matrix: Solid

Analysis Batch: 86530

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 86400

| Analyte                              | MB        | MB        | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
|                                      | Result    | Qualifier |          |       |   |                |                |         |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 09:10 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 09:10 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     | mg/Kg |   | 07/23/24 14:47 | 07/25/24 09:10 | 1       |
| Surrogate                            | MB        | MB        | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
|                                      | %Recovery | Qualifier |          |       |   |                |                |         |
| 1-Chlorooctane                       | 132       | S1+       | 70 - 130 |       |   | 07/23/24 14:47 | 07/25/24 09:10 | 1       |
| o-Terphenyl                          | 123       |           | 70 - 130 |       |   | 07/23/24 14:47 | 07/25/24 09:10 | 1       |

Lab Sample ID: LCS 880-86400/2-A

Matrix: Solid

Analysis Batch: 86530

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 86400

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|--|
|                                      |             |            |               |       |   |      |             |  |
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1091       |               | mg/Kg |   | 109  | 70 - 130    |  |
| Diesel Range Organics (Over C10-C28) | 1000        | 916.0      |               | mg/Kg |   | 92   | 70 - 130    |  |
| Surrogate                            | LCS         | LCS        | Limits        |       |   |      |             |  |
|                                      | %Recovery   | Qualifier  |               |       |   |      |             |  |
| 1-Chlorooctane                       | 88          |            | 70 - 130      |       |   |      |             |  |
| o-Terphenyl                          | 83          |            | 70 - 130      |       |   |      |             |  |

Lab Sample ID: LCSD 880-86400/3-A

Matrix: Solid

Analysis Batch: 86530

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 86400

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
|                                      |             |             |                |       |   |      |             |     |           |
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 964.4       |                | mg/Kg |   | 96   | 70 - 130    | 12  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 806.2       |                | mg/Kg |   | 81   | 70 - 130    | 13  | 20        |
| Surrogate                            | LCSD        | LCSD        | Limits         |       |   |      |             |     |           |
|                                      | %Recovery   | Qualifier   |                |       |   |      |             |     |           |
| 1-Chlorooctane                       | 92          |             | 70 - 130       |       |   |      |             |     |           |
| o-Terphenyl                          | 86          |             | 70 - 130       |       |   |      |             |     |           |

Lab Sample ID: 880-46397-1 MS

Matrix: Solid

Analysis Batch: 86530

Client Sample ID: BF-WPRN-N2-20240723

Prep Type: Total/NA

Prep Batch: 86400

| Analyte                              | Sample | Sample    | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |
|--------------------------------------|--------|-----------|-------------|-----------|--------------|-------|---|------|-------------|--|
|                                      | Result | Qualifier |             |           |              |       |   |      |             |  |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 999         | 1155      |              | mg/Kg |   | 116  | 70 - 130    |  |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 999         | 863.9     |              | mg/Kg |   | 86   | 70 - 130    |  |

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QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46397-1  
SDG: Loving, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-46397-1 MS  
Matrix: Solid  
Analysis Batch: 86530

Client Sample ID: BF-WPRN-N2-20240723  
Prep Type: Total/NA  
Prep Batch: 86400

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 96        |           | 70 - 130 |
| o-Terphenyl    | 87        |           | 70 - 130 |

Lab Sample ID: 880-46397-1 MSD  
Matrix: Solid  
Analysis Batch: 86530

Client Sample ID: BF-WPRN-N2-20240723  
Prep Type: Total/NA  
Prep Batch: 86400

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U                | 999         | 1173       |               | mg/Kg |   | 117  | 70 - 130    | 2   | 20        |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 999         | 913.1      |               | mg/Kg |   | 91   | 70 - 130    | 6   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 98        |           | 70 - 130 |
| o-Terphenyl    | 90        |           | 70 - 130 |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-86458/1-A  
Matrix: Solid  
Analysis Batch: 86485

Client Sample ID: Method Blank  
Prep Type: Soluble

| Analyte  | MB Result | MB Qualifier | RL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|---|----------|----------------|---------|
| Chloride | <5.00     | U            | 5.00 | mg/Kg |   |          | 07/24/24 17:30 | 1       |

Lab Sample ID: LCS 880-86458/2-A  
Matrix: Solid  
Analysis Batch: 86485

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 250         | 246.0      |               | mg/Kg |   | 98   | 90 - 110    |

Lab Sample ID: LCSD 880-86458/3-A  
Matrix: Solid  
Analysis Batch: 86485

Client Sample ID: Lab Control Sample Dup  
Prep Type: Soluble

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Chloride | 250         | 247.9       |                | mg/Kg |   | 99   | 90 - 110    | 1   | 20        |

## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46397-1  
SDG: Loving, NM

## GC VOA

## Prep Batch: 86428

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46397-1        | BF-WPRN-N2-20240723    | Total/NA  | Solid  | 5035   |            |
| 880-46397-2        | BF-WPRN-N3-20240723    | Total/NA  | Solid  | 5035   |            |
| 880-46397-3        | BF-WPRN-S2-20240723    | Total/NA  | Solid  | 5035   |            |
| 880-46397-4        | BF-WPRN-S3-20240723    | Total/NA  | Solid  | 5035   |            |
| MB 880-86428/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-86428/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-86428/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 86450

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46397-1        | BF-WPRN-N2-20240723    | Total/NA  | Solid  | 8021B  | 86428      |
| 880-46397-2        | BF-WPRN-N3-20240723    | Total/NA  | Solid  | 8021B  | 86428      |
| 880-46397-3        | BF-WPRN-S2-20240723    | Total/NA  | Solid  | 8021B  | 86428      |
| 880-46397-4        | BF-WPRN-S3-20240723    | Total/NA  | Solid  | 8021B  | 86428      |
| MB 880-86428/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 86428      |
| LCS 880-86428/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 86428      |
| LCSD 880-86428/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 86428      |

## Analysis Batch: 86643

| Lab Sample ID | Client Sample ID    | Prep Type | Matrix | Method     | Prep Batch |
|---------------|---------------------|-----------|--------|------------|------------|
| 880-46397-1   | BF-WPRN-N2-20240723 | Total/NA  | Solid  | Total BTEX |            |
| 880-46397-2   | BF-WPRN-N3-20240723 | Total/NA  | Solid  | Total BTEX |            |
| 880-46397-3   | BF-WPRN-S2-20240723 | Total/NA  | Solid  | Total BTEX |            |
| 880-46397-4   | BF-WPRN-S3-20240723 | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 86400

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-46397-1        | BF-WPRN-N2-20240723    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46397-2        | BF-WPRN-N3-20240723    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46397-3        | BF-WPRN-S2-20240723    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46397-4        | BF-WPRN-S3-20240723    | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-86400/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-86400/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-86400/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46397-1 MS     | BF-WPRN-N2-20240723    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-46397-1 MSD    | BF-WPRN-N2-20240723    | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 86530

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46397-1        | BF-WPRN-N2-20240723    | Total/NA  | Solid  | 8015B NM | 86400      |
| 880-46397-2        | BF-WPRN-N3-20240723    | Total/NA  | Solid  | 8015B NM | 86400      |
| 880-46397-3        | BF-WPRN-S2-20240723    | Total/NA  | Solid  | 8015B NM | 86400      |
| 880-46397-4        | BF-WPRN-S3-20240723    | Total/NA  | Solid  | 8015B NM | 86400      |
| MB 880-86400/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 86400      |
| LCS 880-86400/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 86400      |
| LCSD 880-86400/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 86400      |
| 880-46397-1 MS     | BF-WPRN-N2-20240723    | Total/NA  | Solid  | 8015B NM | 86400      |
| 880-46397-1 MSD    | BF-WPRN-N2-20240723    | Total/NA  | Solid  | 8015B NM | 86400      |

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## QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46397-1  
SDG: Loving, NM

## GC Semi VOA

## Analysis Batch: 86678

| Lab Sample ID | Client Sample ID    | Prep Type | Matrix | Method  | Prep Batch |
|---------------|---------------------|-----------|--------|---------|------------|
| 880-46397-1   | BF-WPRN-N2-20240723 | Total/NA  | Solid  | 8015 NM |            |
| 880-46397-2   | BF-WPRN-N3-20240723 | Total/NA  | Solid  | 8015 NM |            |
| 880-46397-3   | BF-WPRN-S2-20240723 | Total/NA  | Solid  | 8015 NM |            |
| 880-46397-4   | BF-WPRN-S3-20240723 | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 86458

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-46397-1        | BF-WPRN-N2-20240723    | Soluble   | Solid  | DI Leach |            |
| 880-46397-2        | BF-WPRN-N3-20240723    | Soluble   | Solid  | DI Leach |            |
| 880-46397-3        | BF-WPRN-S2-20240723    | Soluble   | Solid  | DI Leach |            |
| 880-46397-4        | BF-WPRN-S3-20240723    | Soluble   | Solid  | DI Leach |            |
| MB 880-86458/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-86458/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-86458/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 86485

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-46397-1        | BF-WPRN-N2-20240723    | Soluble   | Solid  | 300.0  | 86458      |
| 880-46397-2        | BF-WPRN-N3-20240723    | Soluble   | Solid  | 300.0  | 86458      |
| 880-46397-3        | BF-WPRN-S2-20240723    | Soluble   | Solid  | 300.0  | 86458      |
| 880-46397-4        | BF-WPRN-S3-20240723    | Soluble   | Solid  | 300.0  | 86458      |
| MB 880-86458/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 86458      |
| LCS 880-86458/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 86458      |
| LCSD 880-86458/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 86458      |

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46397-1  
SDG: Loving, NM

Client Sample ID: BF-WPRN-N2-20240723  
Date Collected: 07/23/24 07:45  
Date Received: 07/24/24 08:00

Lab Sample ID: 880-46397-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 86428        | 07/24/24 08:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86450        | 07/24/24 19:25       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86643        | 07/24/24 19:25       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86678        | 07/25/24 11:30       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 86400        | 07/23/24 14:47       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86530        | 07/25/24 11:30       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 86458        | 07/24/24 08:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86485        | 07/24/24 18:38       | CH      | EET MID |

Client Sample ID: BF-WPRN-N3-20240723  
Date Collected: 07/23/24 09:47  
Date Received: 07/24/24 08:00

Lab Sample ID: 880-46397-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 86428        | 07/24/24 08:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86450        | 07/24/24 19:45       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86643        | 07/24/24 19:45       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86678        | 07/25/24 12:23       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 86400        | 07/23/24 14:47       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86530        | 07/25/24 12:23       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.00 g         | 50 mL        | 86458        | 07/24/24 08:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86485        | 07/24/24 18:43       | CH      | EET MID |

Client Sample ID: BF-WPRN-S2-20240723  
Date Collected: 07/23/24 09:49  
Date Received: 07/24/24 08:00

Lab Sample ID: 880-46397-3  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 86428        | 07/24/24 08:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86450        | 07/24/24 20:06       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86643        | 07/24/24 20:06       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86678        | 07/25/24 12:41       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 86400        | 07/23/24 14:47       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86530        | 07/25/24 12:41       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 86458        | 07/24/24 08:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86485        | 07/24/24 18:49       | CH      | EET MID |

Client Sample ID: BF-WPRN-S3-20240723  
Date Collected: 07/23/24 07:51  
Date Received: 07/24/24 08:00

Lab Sample ID: 880-46397-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 86428        | 07/24/24 08:23       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 86450        | 07/24/24 20:26       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 86643        | 07/24/24 20:26       | SM      | EET MID |

Eurofins Midland

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46397-1  
SDG: Loving, NM

Client Sample ID: BF-WPRN-S3-20240723  
Date Collected: 07/23/24 07:51  
Date Received: 07/24/24 08:00

Lab Sample ID: 880-46397-4  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 86678        | 07/25/24 12:58       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 86400        | 07/23/24 14:47       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 86530        | 07/25/24 12:58       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 86458        | 07/24/24 08:41       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 86485        | 07/24/24 18:54       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46397-1  
SDG: Loving, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |

Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46397-1  
SDG: Loving, NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-46397-1  
SDG: Loving, NM

| Lab Sample ID | Client Sample ID    | Matrix | Collected      | Received       |
|---------------|---------------------|--------|----------------|----------------|
| 880-46397-1   | BF-WPRN-N2-20240723 | Solid  | 07/23/24 07:45 | 07/24/24 08:00 |
| 880-46397-2   | BF-WPRN-N3-20240723 | Solid  | 07/23/24 09:47 | 07/24/24 08:00 |
| 880-46397-3   | BF-WPRN-S2-20240723 | Solid  | 07/23/24 09:49 | 07/24/24 08:00 |
| 880-46397-4   | BF-WPRN-S3-20240723 | Solid  | 07/23/24 07:51 | 07/24/24 08:00 |

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# Chain of Custody

Houston, TX (281) 240-4200; Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440; San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443; Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550; Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060

## Environment Testing



## Work O

880-46397 Chain of Custody

Page \_\_\_\_\_ of \_\_\_\_\_

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Work Order Comments</b></p> <p>Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/></p> <p>State of Project: NM</p> <p>Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/></p> <p>Deliverables: EDD <input checked="" type="checkbox"/> ADaPT <input type="checkbox"/> Other: <input type="checkbox"/></p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                  |                         |  |                         |
|------------------|-------------------------|--|-------------------------|
| Project Manager: | Brad Wynne              |  | Bill to: (If different) |
| Company Name:    | AFCom                   |  | Company Name:           |
| Address:         | 1355 Noel Rd. Suite 400 |  | Address:                |
| City, State ZIP: | Dallas, TX 75240        |  | City, State ZIP:        |
| Phone:           | 214-971-1829            |  | Email:                  |

| Project Name:                                                                                                                                                            |  | Turn Around                                                               |  | ANALYSIS REQUEST                                                          |  |          |  |  |  |  |  |  |  |  |  | Preservative Codes |  |                                                                                                                                                                                                                                                                                   |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|----------|--|--|--|--|--|--|--|--|--|--------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Project Number:                                                                                                                                                          |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |                                                                           |  |          |  |  |  |  |  |  |  |  |  |                    |  |                                                                                                                                                                                                                                                                                   |  |  |
| Project Location:                                                                                                                                                        |  | Due Date:                                                                 |  |                                                                           |  |          |  |  |  |  |  |  |  |  |  |                    |  |                                                                                                                                                                                                                                                                                   |  |  |
| Sampler's Name:                                                                                                                                                          |  | TAT starts the day received by the lab, if received by 4:30pm             |  |                                                                           |  |          |  |  |  |  |  |  |  |  |  |                    |  |                                                                                                                                                                                                                                                                                   |  |  |
| I/O #:                                                                                                                                                                   |  |                                                                           |  |                                                                           |  |          |  |  |  |  |  |  |  |  |  |                    |  |                                                                                                                                                                                                                                                                                   |  |  |
| <b>SAMPLE RECEIPT</b>                                                                                                                                                    |  |                                                                           |  | Temp Blank:                                                               |  | Wet Ice: |  |  |  |  |  |  |  |  |  |                    |  |                                                                                                                                                                                                                                                                                   |  |  |
| Samples Received Intact:                                                                                                                                                 |  | Thermometer ID:                                                           |  |                                                                           |  |          |  |  |  |  |  |  |  |  |  |                    |  |                                                                                                                                                                                                                                                                                   |  |  |
| Cooler Custody Seals:                                                                                                                                                    |  | Correction Factor:                                                        |  |                                                                           |  |          |  |  |  |  |  |  |  |  |  |                    |  |                                                                                                                                                                                                                                                                                   |  |  |
| Sample Custody Seals:                                                                                                                                                    |  | Temperature Reading:                                                      |  |                                                                           |  |          |  |  |  |  |  |  |  |  |  |                    |  |                                                                                                                                                                                                                                                                                   |  |  |
| Total Containers:                                                                                                                                                        |  | Corrected Temperature:                                                    |  |                                                                           |  |          |  |  |  |  |  |  |  |  |  |                    |  |                                                                                                                                                                                                                                                                                   |  |  |
| Project Name: <b>Amaleo CTB</b><br>Project Number: <b>60734207</b><br>Project Location: <b>LA-04 NM</b><br>Sampler's Name: <b>J. Lowrey, J. Gordon</b><br>I/O #: <b></b> |  |                                                                           |  | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |  |          |  |  |  |  |  |  |  |  |  |                    |  | None: NO<br>Cool: Cool<br>HCL: HC<br>H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub><br>H <sub>3</sub> PO <sub>4</sub> : HP<br>NaHSO <sub>4</sub> : NABIS<br>Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub><br>Zn Acetate+NaOH: Zn<br>NaOH+Ascorbic Acid: SAPC |  |  |

[illegible]

|                                              |              |               |             |                            |                                                                                               |
|----------------------------------------------|--------------|---------------|-------------|----------------------------|-----------------------------------------------------------------------------------------------|
| Total                                        | 200.7 / 6010 | 200.8 / 6020: |             | 8RCRA Texas 11             | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed |              |               | TCLP / SPLP | 6010: 8RCRA<br>6010: 8RCRA | Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471                 |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$80.00 will be applied to each project and a charge of \$3 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be forced unless previously negotiated.

| Relinquished by: (Signature)                                                          | Received by: (Signature)                                                             | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------|------------------------------|--------------------------|-----------|
|  |  | 7/23/24 1630 |                              |                          |           |
|                                                                                       |                                                                                      |              |                              |                          |           |
|                                                                                       |                                                                                      |              |                              |                          |           |
|                                                                                       |                                                                                      |              |                              |                          |           |

Reviewed Date: 08/25/2020 Rev. 2020 2

## Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-46397-1

SDG Number: Loving, NM

Login Number: 46397

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 8/28/2024 2:16:42 PM

## JOB DESCRIPTION

Amoco CTB  
Loving NM

## JOB NUMBER

880-47711-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
8/28/2024 2:16:42 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

Client: AECOM  
Project/Site: Amoco CTB

Laboratory Job ID: 880-47711-1  
SDG: Loving NM

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Definitions/Glossary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47711-1  
SDG: Loving NM

Qualifiers

GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| U         | Indicates the analyte was analyzed for but not detected. |

HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ▫              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| SQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: AECOM  
Project: Amoco CTB

Job ID: 880-47711-1

**Job ID: 880-47711-1**

**Eurofins Midland**

### Job Narrative 880-47711-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 8/27/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C.

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-89462 and analytical batch 880-89475 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

## Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47711-1  
SDG: Loving NM

Client Sample ID: BF-WRPN-N4-20240826

Lab Sample ID: 880-47711-1

Date Collected: 08/26/24 10:45

Matrix: Solid

Date Received: 08/27/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00140 | U         | 0.00201 | 0.00140 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:04 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | 0.00201 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:04 | 1       |
| Ethylbenzene        | <0.00109 | U         | 0.00201 | 0.00109 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:04 | 1       |
| m-Xylene & p-Xylene | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:04 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00201 | 0.00159 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:04 | 1       |
| Xylenes, Total      | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:04 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 93        |           | 70 - 130 | 08/27/24 09:03 | 08/27/24 13:04 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 | 08/27/24 09:03 | 08/27/24 13:04 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00229 | U         | 0.00402 | 0.00229 | mg/Kg |   |          | 08/27/24 13:04 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   |          | 08/27/24 18:56 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5  | U         | 49.8 | 14.5 | mg/Kg |   | 08/26/24 12:45 | 08/27/24 18:56 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   | 08/26/24 12:45 | 08/27/24 18:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1  | U         | 49.8 | 15.1 | mg/Kg |   | 08/26/24 12:45 | 08/27/24 18:56 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 90        |           | 70 - 130 | 08/26/24 12:45 | 08/27/24 18:56 | 1       |
| o-Terphenyl    | 79        |           | 70 - 130 | 08/26/24 12:45 | 08/27/24 18:56 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 108    | F1        | 4.99 | 0.394 | mg/Kg |   |          | 08/27/24 11:33 | 1       |

Client Sample ID: BF-WRPN-S4-20240826

Lab Sample ID: 880-47711-2

Date Collected: 08/26/24 11:00

Matrix: Solid

Date Received: 08/27/24 08:00

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00140 | U         | 0.00201 | 0.00140 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:25 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 | 0.00201 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:25 | 1       |
| Ethylbenzene        | <0.00110 | U         | 0.00201 | 0.00110 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:25 | 1       |
| m-Xylene & p-Xylene | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:25 | 1       |
| o-Xylene            | <0.00159 | U         | 0.00201 | 0.00159 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:25 | 1       |
| Xylenes, Total      | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 13:25 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 98        |           | 70 - 130 | 08/27/24 09:03 | 08/27/24 13:25 | 1       |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 | 08/27/24 09:03 | 08/27/24 13:25 | 1       |

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Client Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47711-1  
SDG: Loving NM

Client Sample ID: BF-WRPN-S4-20240826  
Date Collected: 08/26/24 11:00  
Date Received: 08/27/24 08:00

Lab Sample ID: 880-47711-2  
Matrix: Solid

|                                                     |          |           |         |         |       |   |          |                |         |  |
|-----------------------------------------------------|----------|-----------|---------|---------|-------|---|----------|----------------|---------|--|
| Method: TAL SOP Total BTEX - Total BTEX Calculation |          |           |         |         |       |   |          |                |         |  |
| Analyte                                             | Result   | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total BTEX                                          | <0.00230 | U         | 0.00402 | 0.00230 | mg/Kg |   |          | 08/27/24 13:25 | 1       |  |

|                                                          |        |           |      |      |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|--|
| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) |        |           |      |      |       |   |          |                |         |  |
| Analyte                                                  | Result | Qualifier | RL   | MDL  | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Total TPH                                                | <15.0  | U         | 49.7 | 15.0 | mg/Kg |   |          | 08/27/24 19:13 | 1       |  |

|                                                           |           |           |          |      |       |   |                |                |         |  |
|-----------------------------------------------------------|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|--|
| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |      |       |   |                |                |         |  |
| Analyte                                                   | Result    | Qualifier | RL       | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |  |
| Gasoline Range Organics (GRO)-C6-C10                      | <14.4     | U         | 49.7     | 14.4 | mg/Kg |   | 08/26/24 12:45 | 08/27/24 19:13 | 1       |  |
| Diesel Range Organics (Over C10-C28)                      | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 08/26/24 12:45 | 08/27/24 19:13 | 1       |  |
| Oil Range Organics (Over C28-C36)                         | <15.0     | U         | 49.7     | 15.0 | mg/Kg |   | 08/26/24 12:45 | 08/27/24 19:13 | 1       |  |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |      |       |   | Prepared       | Analyzed       | Dil Fac |  |
| 1-Chlorooctane                                            | 88        |           | 70 - 130 |      |       |   | 08/26/24 12:45 | 08/27/24 19:13 | 1       |  |
| o-Terphenyl                                               | 77        |           | 70 - 130 |      |       |   | 08/26/24 12:45 | 08/27/24 19:13 | 1       |  |

|                                                          |        |           |      |       |       |   |          |                |         |  |
|----------------------------------------------------------|--------|-----------|------|-------|-------|---|----------|----------------|---------|--|
| Method: EPA 300.0 - Anions, Ion Chromatography - Soluble |        |           |      |       |       |   |          |                |         |  |
| Analyte                                                  | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride                                                 | 94.7   |           | 4.96 | 0.392 | mg/Kg |   |          | 08/27/24 11:57 | 1       |  |



Surrogate Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47711-1  
SDG: Loving NM

Method: 8021B - Volatile Organic Compounds (GC)  
Matrix: Solid

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-47711-1                       | BF-WRPN-N4-20240826    | 93                                             | 93                |
| 880-47711-2                       | BF-WRPN-S4-20240826    | 98                                             | 88                |
| 880-47712-A-1-B MS                | Matrix Spike           | 111                                            | 105               |
| 880-47712-A-1-C MSD               | Matrix Spike Duplicate | 103                                            | 101               |
| LCS 880-89461/1-A                 | Lab Control Sample     | 107                                            | 101               |
| LCSD 880-89461/2-A                | Lab Control Sample Dup | 102                                            | 103               |
| MB 880-89461/5-A                  | Method Blank           | 76                                             | 98                |
| Surrogate Legend                  |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

Method: 8015B NM - Diesel Range Organics (DRO) (GC)  
Matrix: Solid

Prep Type: Total/NA

|                      |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|----------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID        | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-47669-A-7-D MS   | Matrix Spike           | 105                                            | 86                |
| 880-47669-A-7-E MSD  | Matrix Spike Duplicate | 107                                            | 87                |
| 880-47711-1          | BF-WRPN-N4-20240826    | 90                                             | 79                |
| 880-47711-2          | BF-WRPN-S4-20240826    | 88                                             | 77                |
| LCS 880-89420/2-A    | Lab Control Sample     | 113                                            | 110               |
| LCSD 880-89420/3-A   | Lab Control Sample Dup | 112                                            | 109               |
| MB 880-89420/1-A     | Method Blank           | 102                                            | 92                |
| Surrogate Legend     |                        |                                                |                   |
| 1CO = 1-Chlorooctane |                        |                                                |                   |
| OTPH = o-Terphenyl   |                        |                                                |                   |

## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47711-1  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-89461/5-A

Matrix: Solid

Analysis Batch: 89370

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89461

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00139     | U               | 0.00200 | 0.00139 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 11:40 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | 0.00200 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 11:40 | 1       |
| Ethylbenzene        | <0.00109     | U               | 0.00200 | 0.00109 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 11:40 | 1       |
| m-Xylene & p-Xylene | <0.00229     | U               | 0.00400 | 0.00229 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 11:40 | 1       |
| o-Xylene            | <0.00158     | U               | 0.00200 | 0.00158 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 11:40 | 1       |
| Xylenes, Total      | <0.00229     | U               | 0.00400 | 0.00229 | mg/Kg |   | 08/27/24 09:03 | 08/27/24 11:40 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 76              |                 | 70 - 130 | 08/27/24 09:03 | 08/27/24 11:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98              |                 | 70 - 130 | 08/27/24 09:03 | 08/27/24 11:40 | 1       |

Lab Sample ID: LCS 880-89461/1-A

Matrix: Solid

Analysis Batch: 89370

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89461

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.08954       |                  | mg/Kg |   | 90   | 70 - 130       |
| Toluene             | 0.100          | 0.09519       |                  | mg/Kg |   | 95   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.1003        |                  | mg/Kg |   | 100  | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.2035        |                  | mg/Kg |   | 102  | 70 - 130       |
| o-Xylene            | 0.100          | 0.09571       |                  | mg/Kg |   | 96   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 107              |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-89461/2-A

Matrix: Solid

Analysis Batch: 89370

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 89461

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1080         |                   | mg/Kg |   | 108  | 70 - 130       | 19  | 35           |
| Toluene             | 0.100          | 0.1083         |                   | mg/Kg |   | 108  | 70 - 130       | 13  | 35           |
| Ethylbenzene        | 0.100          | 0.1053         |                   | mg/Kg |   | 105  | 70 - 130       | 5   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.2099         |                   | mg/Kg |   | 105  | 70 - 130       | 3   | 35           |
| o-Xylene            | 0.100          | 0.1074         |                   | mg/Kg |   | 107  | 70 - 130       | 12  | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 102               |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 103               |                   | 70 - 130 |

Lab Sample ID: 880-47712-A-1-B MS

Matrix: Solid

Analysis Batch: 89370

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89461

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00140         | U                   | 0.100          | 0.1087       |                 | mg/Kg |   | 109  | 70 - 130       |
| Toluene | <0.00201         | U                   | 0.100          | 0.1094       |                 | mg/Kg |   | 109  | 70 - 130       |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47711-1  
SDG: Loving NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-47712-A-1-B MS

Matrix: Solid

Analysis Batch: 89370

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 89461

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene                | <0.00109      | U                | 0.100       | 0.1074    |              | mg/Kg |   | 107  | 70 - 130    |
| m-Xylene & p-Xylene         | <0.00229      | U                | 0.200       | 0.2404    |              | mg/Kg |   | 120  | 70 - 130    |
| o-Xylene                    | <0.00159      | U                | 0.100       | 0.1109    |              | mg/Kg |   | 111  | 70 - 130    |
| Surrogate                   | %Recovery     | MS Qualifier     | MS Limits   |           |              |       |   |      |             |
| 4-Bromofluorobenzene (Surr) | 111           |                  | 70 - 130    |           |              |       |   |      |             |
| 1,4-Difluorobenzene (Surr)  | 105           |                  | 70 - 130    |           |              |       |   |      |             |

Lab Sample ID: 880-47712-A-1-C MSD

Matrix: Solid

Analysis Batch: 89370

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 89461

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene                     | <0.00140      | U                | 0.100       | 0.1031     |               | mg/Kg |   | 103  | 70 - 130    | 5   | 35        |
| Toluene                     | <0.00201      | U                | 0.100       | 0.09622    |               | mg/Kg |   | 96   | 70 - 130    | 13  | 35        |
| Ethylbenzene                | <0.00109      | U                | 0.100       | 0.1082     |               | mg/Kg |   | 108  | 70 - 130    | 1   | 35        |
| m-Xylene & p-Xylene         | <0.00229      | U                | 0.200       | 0.2206     |               | mg/Kg |   | 110  | 70 - 130    | 9   | 35        |
| o-Xylene                    | <0.00159      | U                | 0.100       | 0.1030     |               | mg/Kg |   | 103  | 70 - 130    | 7   | 35        |
| Surrogate                   | %Recovery     | MSD Qualifier    | MSD Limits  |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr) | 103           |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| 1,4-Difluorobenzene (Surr)  | 101           |                  | 70 - 130    |            |               |       |   |      |             |     |           |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-89420/1-A

Matrix: Solid

Analysis Batch: 89521

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 89420

| Analyte                              | MB Result | MB Qualifier | RL        | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|-----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5     | U            | 50.0      | 14.5 | mg/Kg |   | 08/26/24 12:44 | 08/27/24 15:43 | 1       |
| Diesel Range Organics (Over C10-C28) | <15.1     | U            | 50.0      | 15.1 | mg/Kg |   | 08/26/24 12:44 | 08/27/24 15:43 | 1       |
| Oil Range Organics (Over C28-C36)    | <15.1     | U            | 50.0      | 15.1 | mg/Kg |   | 08/26/24 12:44 | 08/27/24 15:43 | 1       |
| Surrogate                            | %Recovery | MB Qualifier | MB Limits |      |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 102       |              | 70 - 130  |      |       |   | 08/26/24 12:44 | 08/27/24 15:43 | 1       |
| o-Terphenyl                          | 92        |              | 70 - 130  |      |       |   | 08/26/24 12:44 | 08/27/24 15:43 | 1       |

Lab Sample ID: LCS 880-89420/2-A

Matrix: Solid

Analysis Batch: 89521

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 89420

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1020       |               | mg/Kg |   | 102  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1102       |               | mg/Kg |   | 110  | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47711-1  
SDG: Loving NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-89420/2-A  
Matrix: Solid  
Analysis Batch: 89521

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 89420

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 113       |           | 70 - 130 |
| o-Terphenyl    | 110       |           | 70 - 130 |

Lab Sample ID: LCSD 880-89420/3-A  
Matrix: Solid  
Analysis Batch: 89521

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 89420

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1020        |                | mg/Kg |   | 102  | 70 - 130    | 0   | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 1085        |                | mg/Kg |   | 109  | 70 - 130    | 2   | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 112       |           | 70 - 130 |
| o-Terphenyl    | 109       |           | 70 - 130 |

Lab Sample ID: 880-47669-A-7-D MS  
Matrix: Solid  
Analysis Batch: 89521

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 89420

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 998         | 769.2     |              | mg/Kg |   | 77   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <15.1         | U                | 998         | 836.2     |              | mg/Kg |   | 84   | 70 - 130    |

|                | MS        | MS        |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 105       |           | 70 - 130 |
| o-Terphenyl    | 86        |           | 70 - 130 |

Lab Sample ID: 880-47669-A-7-E MSD  
Matrix: Solid  
Analysis Batch: 89521

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 89420

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <14.5         | U                | 998         | 798.8      |               | mg/Kg |   | 80   | 70 - 130    | 4   | 20        |
| Diesel Range Organics (Over C10-C28) | <15.1         | U                | 998         | 843.2      |               | mg/Kg |   | 84   | 70 - 130    | 1   | 20        |

|                | MSD       | MSD       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 107       |           | 70 - 130 |
| o-Terphenyl    | 87        |           | 70 - 130 |

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QC Sample Results

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47711-1  
SDG: Loving NM

Method: 300.0 - Anions, Ion Chromatography

|                                                                           |           |              |      |       |       |   |          |                |         |                                                      |  |
|---------------------------------------------------------------------------|-----------|--------------|------|-------|-------|---|----------|----------------|---------|------------------------------------------------------|--|
| Lab Sample ID: MB 880-89462/1-A<br>Matrix: Solid<br>Analysis Batch: 89475 |           |              |      |       |       |   |          |                |         | Client Sample ID: Method Blank<br>Prep Type: Soluble |  |
| Analyte                                                                   | MB Result | MB Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |                                                      |  |
| Chloride                                                                  | <0.395    | U            | 5.00 | 0.395 | mg/Kg |   |          | 08/27/24 11:09 | 1       |                                                      |  |

|                                                                            |  |  |             |            |               |       |   |      |             |                                                            |  |
|----------------------------------------------------------------------------|--|--|-------------|------------|---------------|-------|---|------|-------------|------------------------------------------------------------|--|
| Lab Sample ID: LCS 880-89462/2-A<br>Matrix: Solid<br>Analysis Batch: 89475 |  |  |             |            |               |       |   |      |             | Client Sample ID: Lab Control Sample<br>Prep Type: Soluble |  |
| Analyte                                                                    |  |  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |                                                            |  |
| Chloride                                                                   |  |  | 250         | 239.1      |               | mg/Kg |   | 96   | 90 - 110    |                                                            |  |

|                                                                             |  |  |             |             |                |       |   |      |             |                                                                |           |
|-----------------------------------------------------------------------------|--|--|-------------|-------------|----------------|-------|---|------|-------------|----------------------------------------------------------------|-----------|
| Lab Sample ID: LCSD 880-89462/3-A<br>Matrix: Solid<br>Analysis Batch: 89475 |  |  |             |             |                |       |   |      |             | Client Sample ID: Lab Control Sample Dup<br>Prep Type: Soluble |           |
| Analyte                                                                     |  |  | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD                                                            | RPD Limit |
| Chloride                                                                    |  |  | 250         | 237.8       |                | mg/Kg |   | 95   | 90 - 110    | 1                                                              | 20        |

|                                                                         |               |                  |             |           |              |       |   |      |             |                                                             |  |
|-------------------------------------------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|-------------------------------------------------------------|--|
| Lab Sample ID: 880-47711-1 MS<br>Matrix: Solid<br>Analysis Batch: 89475 |               |                  |             |           |              |       |   |      |             | Client Sample ID: BF-WRPN-N4-20240826<br>Prep Type: Soluble |  |
| Analyte                                                                 | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |                                                             |  |
| Chloride                                                                | 108           | F1               | 250         | 330.0     | F1           | mg/Kg |   | 89   | 90 - 110    |                                                             |  |

|                                                                          |               |                  |             |            |               |       |   |      |             |                                                             |           |
|--------------------------------------------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-------------------------------------------------------------|-----------|
| Lab Sample ID: 880-47711-1 MSD<br>Matrix: Solid<br>Analysis Batch: 89475 |               |                  |             |            |               |       |   |      |             | Client Sample ID: BF-WRPN-N4-20240826<br>Prep Type: Soluble |           |
| Analyte                                                                  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD                                                         | RPD Limit |
| Chloride                                                                 | 108           | F1               | 250         | 336.1      |               | mg/Kg |   | 91   | 90 - 110    | 2                                                           | 20        |

QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47711-1  
SDG: Loving NM

GC VOA

Analysis Batch: 89370

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-47711-1         | BF-WRPN-N4-20240826    | Total/NA  | Solid  | 8021B  | 89461      |
| 880-47711-2         | BF-WRPN-S4-20240826    | Total/NA  | Solid  | 8021B  | 89461      |
| MB 880-89461/5-A    | Method Blank           | Total/NA  | Solid  | 8021B  | 89461      |
| LCS 880-89461/1-A   | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 89461      |
| LCSD 880-89461/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 89461      |
| 880-47712-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 8021B  | 89461      |
| 880-47712-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 89461      |

Prep Batch: 89461

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-47711-1         | BF-WRPN-N4-20240826    | Total/NA  | Solid  | 5035   |            |
| 880-47711-2         | BF-WRPN-S4-20240826    | Total/NA  | Solid  | 5035   |            |
| MB 880-89461/5-A    | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-89461/1-A   | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-89461/2-A  | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-47712-A-1-B MS  | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 880-47712-A-1-C MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

Analysis Batch: 89500

| Lab Sample ID | Client Sample ID    | Prep Type | Matrix | Method     | Prep Batch |
|---------------|---------------------|-----------|--------|------------|------------|
| 880-47711-1   | BF-WRPN-N4-20240826 | Total/NA  | Solid  | Total BTEX |            |
| 880-47711-2   | BF-WRPN-S4-20240826 | Total/NA  | Solid  | Total BTEX |            |

GC Semi VOA

Prep Batch: 89420

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 880-47711-1         | BF-WRPN-N4-20240826    | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47711-2         | BF-WRPN-S4-20240826    | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-89420/1-A    | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-89420/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-89420/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47669-A-7-D MS  | Matrix Spike           | Total/NA  | Solid  | 8015NM Prep |            |
| 880-47669-A-7-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015NM Prep |            |

Analysis Batch: 89521

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-47711-1         | BF-WRPN-N4-20240826    | Total/NA  | Solid  | 8015B NM | 89420      |
| 880-47711-2         | BF-WRPN-S4-20240826    | Total/NA  | Solid  | 8015B NM | 89420      |
| MB 880-89420/1-A    | Method Blank           | Total/NA  | Solid  | 8015B NM | 89420      |
| LCS 880-89420/2-A   | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 89420      |
| LCSD 880-89420/3-A  | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 89420      |
| 880-47669-A-7-D MS  | Matrix Spike           | Total/NA  | Solid  | 8015B NM | 89420      |
| 880-47669-A-7-E MSD | Matrix Spike Duplicate | Total/NA  | Solid  | 8015B NM | 89420      |

Analysis Batch: 89586

| Lab Sample ID | Client Sample ID    | Prep Type | Matrix | Method  | Prep Batch |
|---------------|---------------------|-----------|--------|---------|------------|
| 880-47711-1   | BF-WRPN-N4-20240826 | Total/NA  | Solid  | 8015 NM |            |
| 880-47711-2   | BF-WRPN-S4-20240826 | Total/NA  | Solid  | 8015 NM |            |



QC Association Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47711-1  
SDG: Loving NM

HPLC/IC

Leach Batch: 89462

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-47711-1        | BF-WRPN-N4-20240826    | Soluble   | Solid  | DI Leach |            |
| 880-47711-2        | BF-WRPN-S4-20240826    | Soluble   | Solid  | DI Leach |            |
| MB 880-89462/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-89462/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-89462/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-47711-1 MS     | BF-WRPN-N4-20240826    | Soluble   | Solid  | DI Leach |            |
| 880-47711-1 MSD    | BF-WRPN-N4-20240826    | Soluble   | Solid  | DI Leach |            |

Analysis Batch: 89475

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-47711-1        | BF-WRPN-N4-20240826    | Soluble   | Solid  | 300.0  | 89462      |
| 880-47711-2        | BF-WRPN-S4-20240826    | Soluble   | Solid  | 300.0  | 89462      |
| MB 880-89462/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 89462      |
| LCS 880-89462/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 89462      |
| LCSD 880-89462/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 89462      |
| 880-47711-1 MS     | BF-WRPN-N4-20240826    | Soluble   | Solid  | 300.0  | 89462      |
| 880-47711-1 MSD    | BF-WRPN-N4-20240826    | Soluble   | Solid  | 300.0  | 89462      |

Lab Chronicle

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47711-1  
SDG: Loving NM

Client Sample ID: BF-WRPN-N4-20240826  
Date Collected: 08/26/24 10:45  
Date Received: 08/27/24 08:00

Lab Sample ID: 880-47711-1  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 89461        | 08/27/24 09:03       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89370        | 08/27/24 13:04       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89500        | 08/27/24 13:04       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89586        | 08/27/24 18:56       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 89420        | 08/26/24 12:45       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89521        | 08/27/24 18:56       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 89462        | 08/27/24 09:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89475        | 08/27/24 11:33       | CH      | EET MID |

Client Sample ID: BF-WRPN-S4-20240826  
Date Collected: 08/26/24 11:00  
Date Received: 08/27/24 08:00

Lab Sample ID: 880-47711-2  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 89461        | 08/27/24 09:03       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 89370        | 08/27/24 13:25       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 89500        | 08/27/24 13:25       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 89586        | 08/27/24 19:13       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.06 g        | 10 mL        | 89420        | 08/26/24 12:45       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 89521        | 08/27/24 19:13       | TKC     | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 89462        | 08/27/24 09:04       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          | 50 mL          | 50 mL        | 89475        | 08/27/24 11:57       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47711-1  
SDG: Loving NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |



Method Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47711-1  
SDG: Loving NM

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: AECOM  
Project/Site: Amoco CTB

Job ID: 880-47711-1  
SDG: Loving NM

| Lab Sample ID | Client Sample ID    | Matrix | Collected      | Received       |
|---------------|---------------------|--------|----------------|----------------|
| 880-47711-1   | BF-WRPN-N4-20240826 | Solid  | 08/26/24 10:45 | 08/27/24 08:00 |
| 880-47711-2   | BF-WRPN-S4-20240826 | Solid  | 08/26/24 11:00 | 08/27/24 08:00 |

- 1
- 2
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- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14



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## Environment Testing

# Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060



880-47711 Chain of Custody

[illegible]





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## Environment Testing

## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
 Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334  
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
 Little Rock, AR (501) 224-5060



880-47711 Chain of Custody

Page 1 of 1

Work Order Comments

Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project: NM

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☒ ADAPT ☐ Other:

Project Manager: Brad Wyne

Company Name: AECom

Address: 13355 Noel Rd. Suite 400

City, State ZIP: Dallas, TX 75240

Phone: 214-971-1829 Email: Brad.ky.wyne@AECom.com

Project Name: Amoco CIB

Project Number: 60734207

Project Location: Loving NM

Sampler's Name: James Love

PO #:

SAMPLE RECEIPT

Samples Received Intact: ☒ Yes ☐ No

Cooler Custody Seals: ☒ Yes ☐ No

Sample Custody Seals: ☒ Yes ☐ No

Total Containers: 1

Turn Around

☐ Routine ☒ Rush

Due Date: 2 Day

TAT starts the day received by the lab, if received by 4:30pm

Wet Ice: ☒ Yes ☐ No

Thermometer ID: TPS

Correction Factor: -

Temperature Reading: 1.3

Corrected Temperature: 1.2

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | </ |
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Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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|------------------------------|--------------------------|---------------------|------------------------------|--------------------------|-----------|
| <u>[Signature]</u>           | <u>[Signature]</u>       | <u>5/27/24 8:08</u> |                              |                          |           |
|                              |                          | <u>1630</u>         |                              |                          |           |
|                              |                          | <u>2</u>            |                              |                          |           |
|                              |                          | <u>4</u>            |                              |                          |           |
|                              |                          | <u>6</u>            |                              |                          |           |

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47711-1

SDG Number: Loving NM

Login Number: 47711

List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Brad Wynne  
AECOM  
13355 Noel Road  
Suite 400  
Dallas, Texas 75240

Generated 4/28/2025 2:50:02 PM Revision 1

## JOB DESCRIPTION

AMOCO CTB

## JOB NUMBER

890-8024-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220



# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Authorized for release by  
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Revision 1

Client: AECOM  
Project/Site: AMOCO CTB

Laboratory Job ID: 890-8024-1

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## Definitions/Glossary

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8024-1

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| U         | Indicates the analyte was analyzed for but not detected.                                                       |

## GC Semi VOA

| Qualifier | Qualifier Description                                      |
|-----------|------------------------------------------------------------|
| *+        | LCS and/or LCSD is outside acceptance limits, high biased. |
| S1+       | Surrogate recovery exceeds control limits, high biased.    |
| U         | Indicates the analyte was analyzed for but not detected.   |

## HPLC/IC

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

Eurofins Carlsbad



## Case Narrative

Client: AECOM  
Project: AMOCO CTB

Job ID: 890-8024-1

**Job ID: 890-8024-1****Eurofins Carlsbad**

**Job Narrative**  
**890-8024-1**

REVISION

The report being provided is a revision of the original report sent on 4/23/2025. The report (revision 1) is being revised due to to show results for TPH to the RI per Brad Wynn (email).

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The sample was received on 4/22/2025 4:04 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

**Receipt Exceptions**

The following sample was received and analyzed from an unpreserved bulk soil jar: R360-RB-BF-1 (890-8024-1).

**GC VOA**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**Diesel Range Organics**

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-108380/2-A) and (LCSD 880-108380/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The method blank for preparation batch 880-108380 and analytical batch 880-108425 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD\_NM: The laboratory control sample (LCS) associated with preparation batch 880-108380 and analytical batch 880-108425 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-108425 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour limit, therefore the data has been qualified and reported. The associated sample is:(CCV 880-108425/6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

**HPLC/IC**

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-108371 and analytical batch 880-108379 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8024-1

Client Sample ID: R360-RB-BF-1

Lab Sample ID: 890-8024-1

Date Collected: 04/22/25 12:30

Matrix: Solid

Date Received: 04/22/25 16:04

## Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte                        | Result         | Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------|----------------|-----------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene                        | <0.00200       | U         | 0.00200 | 0.00139 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 12:46 | 1       |
| <b>Toluene</b>                 | <b>0.00210</b> |           | 0.00200 | 0.00200 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 12:46 | 1       |
| Ethylbenzene                   | <0.00200       | U         | 0.00200 | 0.00109 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 12:46 | 1       |
| <b>m-Xylene &amp; p-Xylene</b> | <b>0.00343</b> | <b>J</b>  | 0.00399 | 0.00228 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 12:46 | 1       |
| o-Xylene                       | <0.00200       | U         | 0.00200 | 0.00158 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 12:46 | 1       |
| <b>Xylenes, Total</b>          | <b>0.00343</b> | <b>J</b>  | 0.00399 | 0.00228 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 12:46 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 | 04/23/25 08:37 | 04/23/25 12:46 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 | 04/23/25 08:37 | 04/23/25 12:46 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte           | Result         | Qualifier | RL      | MDL     | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-------------------|----------------|-----------|---------|---------|-------|---|----------|----------------|---------|
| <b>Total BTEX</b> | <b>0.00553</b> |           | 0.00399 | 0.00228 | mg/Kg |   |          | 04/23/25 12:46 | 1       |

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 04/23/25 11:29 | 1       |

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U **      | 50.0 |     | mg/Kg |   | 04/23/25 08:31 | 04/23/25 11:29 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U **      | 50.0 |     | mg/Kg |   | 04/23/25 08:31 | 04/23/25 11:29 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 04/23/25 08:31 | 04/23/25 11:29 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 112       |           | 70 - 130 | 04/23/25 08:31 | 04/23/25 11:29 | 1       |
| o-Terphenyl    | 101       |           | 70 - 130 | 04/23/25 08:31 | 04/23/25 11:29 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte         | Result     | Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------------|------------|-----------|------|-------|-------|---|----------|----------------|---------|
| <b>Chloride</b> | <b>214</b> |           | 10.1 | 0.398 | mg/Kg |   |          | 04/23/25 11:43 | 1       |

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## Surrogate Summary

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8024-1

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | BFB1<br>(70-130) | DFBZ1<br>(70-130) |
|---------------------|------------------------|------------------|-------------------|
| 890-8022-A-1-E MS   | Matrix Spike           | 98               | 101               |
| 890-8022-A-1-F MSD  | Matrix Spike Duplicate | 106              | 101               |
| 890-8024-1          | R360-RB-BF-1           | 108              | 101               |
| LCS 880-108382/1-A  | Lab Control Sample     | 98               | 100               |
| LCSD 880-108382/2-A | Lab Control Sample Dup | 98               | 101               |
| MB 880-108382/5-A   | Method Blank           | 101              | 93                |

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | 1CO1<br>(70-130) | OTPH1<br>(70-130) |
|---------------------|------------------------|------------------|-------------------|
| 890-8024-1          | R360-RB-BF-1           | 112              | 101               |
| 890-8024-1 MS       | R360-RB-BF-1           | 107              | 94                |
| 890-8024-1 MSD      | R360-RB-BF-1           | 106              | 95                |
| LCS 880-108380/2-A  | Lab Control Sample     | 140 S1+          | 132 S1+           |
| LCSD 880-108380/3-A | Lab Control Sample Dup | 137 S1+          | 129               |
| MB 880-108380/1-A   | Method Blank           | 124              | 121               |

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8024-1

## Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-108382/5-A

Matrix: Solid

Analysis Batch: 108372

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108382

| Analyte             | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|---------|---------|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200     | U               | 0.00200 | 0.00139 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 11:03 | 1       |
| Toluene             | <0.00200     | U               | 0.00200 | 0.00200 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 11:03 | 1       |
| Ethylbenzene        | <0.00200     | U               | 0.00200 | 0.00109 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 11:03 | 1       |
| m-Xylene & p-Xylene | <0.00400     | U               | 0.00400 | 0.00229 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 11:03 | 1       |
| o-Xylene            | <0.00200     | U               | 0.00200 | 0.00158 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 11:03 | 1       |
| Xylenes, Total      | <0.00400     | U               | 0.00400 | 0.00229 | mg/Kg |   | 04/23/25 08:37 | 04/23/25 11:03 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101             |                 | 70 - 130 | 04/23/25 08:37 | 04/23/25 11:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93              |                 | 70 - 130 | 04/23/25 08:37 | 04/23/25 11:03 | 1       |

Lab Sample ID: LCS 880-108382/1-A

Matrix: Solid

Analysis Batch: 108372

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108382

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1000        |                  | mg/Kg |   | 100  | 70 - 130       |
| Toluene             | 0.100          | 0.09013       |                  | mg/Kg |   | 90   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.09584       |                  | mg/Kg |   | 96   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1921        |                  | mg/Kg |   | 96   | 70 - 130       |
| o-Xylene            | 0.100          | 0.09868       |                  | mg/Kg |   | 99   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 98               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 100              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-108382/2-A

Matrix: Solid

Analysis Batch: 108372

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108382

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Benzene             | 0.100          | 0.1015         |                   | mg/Kg |   | 101  | 70 - 130       | 1   | 35           |
| Toluene             | 0.100          | 0.09139        |                   | mg/Kg |   | 91   | 70 - 130       | 1   | 35           |
| Ethylbenzene        | 0.100          | 0.09510        |                   | mg/Kg |   | 95   | 70 - 130       | 1   | 35           |
| m-Xylene & p-Xylene | 0.200          | 0.1931         |                   | mg/Kg |   | 97   | 70 - 130       | 1   | 35           |
| o-Xylene            | 0.100          | 0.09813        |                   | mg/Kg |   | 98   | 70 - 130       | 1   | 35           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 98                |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101               |                   | 70 - 130 |

Lab Sample ID: 890-8022-A-1-E MS

Matrix: Solid

Analysis Batch: 108372

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 108382

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene | <0.00200         | U                   | 0.100          | 0.09027      |                 | mg/Kg |   | 90   | 70 - 130       |
| Toluene | <0.00200         | U                   | 0.100          | 0.08317      |                 | mg/Kg |   | 83   | 70 - 130       |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8024-1

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-8022-A-1-E MS

Matrix: Solid

Analysis Batch: 108372

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 108382

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.08445   |              | mg/Kg |   | 84   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00399      | U                | 0.200       | 0.1718    |              | mg/Kg |   | 86   | 70 - 130    |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.08795   |              | mg/Kg |   | 88   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 98           |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101          |              | 70 - 130 |

Lab Sample ID: 890-8022-A-1-F MSD

Matrix: Solid

Analysis Batch: 108372

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 108382

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-------|
| Benzene             | <0.00200      | U                | 0.100       | 0.09341    |               | mg/Kg |   | 93   | 70 - 130    | 3   | 35    |
| Toluene             | <0.00200      | U                | 0.100       | 0.08607    |               | mg/Kg |   | 86   | 70 - 130    | 3   | 35    |
| Ethylbenzene        | <0.00200      | U                | 0.100       | 0.08865    |               | mg/Kg |   | 89   | 70 - 130    | 5   | 35    |
| m-Xylene & p-Xylene | <0.00399      | U                | 0.200       | 0.1844     |               | mg/Kg |   | 92   | 70 - 130    | 7   | 35    |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.09350    |               | mg/Kg |   | 93   | 70 - 130    | 6   | 35    |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 106           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 101           |               | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-108380/1-A

Matrix: Solid

Analysis Batch: 108425

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 108380

| Analyte                              | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 |     | mg/Kg |   | 04/23/25 08:31 | 04/23/25 08:51 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 |     | mg/Kg |   | 04/23/25 08:31 | 04/23/25 08:51 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 |     | mg/Kg |   | 04/23/25 08:31 | 04/23/25 08:51 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 124          |              | 70 - 130 | 04/23/25 08:31 | 04/23/25 08:51 | 1       |
| o-Terphenyl    | 121          |              | 70 - 130 | 04/23/25 08:31 | 04/23/25 08:51 | 1       |

Lab Sample ID: LCS 880-108380/2-A

Matrix: Solid

Analysis Batch: 108425

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108380

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1351       | *+            | mg/Kg |   | 135  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1319       | *+            | mg/Kg |   | 132  | 70 - 130    |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8024-1

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-108380/2-A

Matrix: Solid

Analysis Batch: 108425

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 108380

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 140       | S1+       | 70 - 130 |
| o-Terphenyl    | 132       | S1+       | 70 - 130 |

Lab Sample ID: LCSD 880-108380/3-A

Matrix: Solid

Analysis Batch: 108425

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 108380

| Analyte                              |           |           | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|-----------|-----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 |           |           | 1000           | 1319           | *+                | mg/Kg |   | 132  | 70 - 130       | 2   | 20           |
| Diesel Range Organics (Over C10-C28) |           |           | 1000           | 1314           | *+                | mg/Kg |   | 131  | 70 - 130       | 0   | 20           |
| Surrogate                            |           | LCSD      | LCSD           |                |                   |       |   |      |                |     |              |
|                                      | %Recovery | Qualifier | Limits         |                |                   |       |   |      |                |     |              |
| 1-Chlorooctane                       | 137       | S1+       | 70 - 130       |                |                   |       |   |      |                |     |              |
| o-Terphenyl                          | 129       |           | 70 - 130       |                |                   |       |   |      |                |     |              |

Lab Sample ID: 890-8024-1 MS

Matrix: Solid

Analysis Batch: 108425

Client Sample ID: R360-RB-BF-1

Prep Type: Total/NA

Prep Batch: 108380

| Analyte                              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |  |  |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|--|--|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0            | U *+                | 999            | 993.9        |                 | mg/Kg |   | 98   | 70 - 130       |  |  |
| Diesel Range Organics (Over C10-C28) | <50.0            | U *+                | 999            | 1062         |                 | mg/Kg |   | 102  | 70 - 130       |  |  |
| Surrogate                            |                  | MS                  | MS             |              |                 |       |   |      |                |  |  |
|                                      | %Recovery        | Qualifier           | Limits         |              |                 |       |   |      |                |  |  |
| 1-Chlorooctane                       | 107              |                     | 70 - 130       |              |                 |       |   |      |                |  |  |
| o-Terphenyl                          | 94               |                     | 70 - 130       |              |                 |       |   |      |                |  |  |

Lab Sample ID: 890-8024-1 MSD

Matrix: Solid

Analysis Batch: 108425

Client Sample ID: R360-RB-BF-1

Prep Type: Total/NA

Prep Batch: 108380

| Analyte                              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|--------------------------------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0            | U *+                | 999            | 997.3         |                  | mg/Kg |   | 98   | 70 - 130       | 0   | 20           |
| Diesel Range Organics (Over C10-C28) | <50.0            | U *+                | 999            | 1047          |                  | mg/Kg |   | 101  | 70 - 130       | 1   | 20           |
| Surrogate                            |                  | MSD                 | MSD            |               |                  |       |   |      |                |     |              |
|                                      | %Recovery        | Qualifier           | Limits         |               |                  |       |   |      |                |     |              |
| 1-Chlorooctane                       | 106              |                     | 70 - 130       |               |                  |       |   |      |                |     |              |
| o-Terphenyl                          | 95               |                     | 70 - 130       |               |                  |       |   |      |                |     |              |

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## QC Sample Results

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8024-1

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-108371/1-A

Matrix: Solid

Analysis Batch: 108379

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <10.0        | U               | 10.0 | 0.395 | mg/Kg |   |          | 04/23/25 08:43 | 1       |

Lab Sample ID: LCS 880-108371/2-A

Matrix: Solid

Analysis Batch: 108379

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 269.6         |                  | mg/Kg |   | 108  | 90 - 110       |

Lab Sample ID: LCSD 880-108371/3-A

Matrix: Solid

Analysis Batch: 108379

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 268.6          |                   | mg/Kg |   | 107  | 90 - 110       | 0   | 20           |

Lab Sample ID: 890-8023-A-3-B MS

Matrix: Solid

Analysis Batch: 108379

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Chloride | 72.0             | F1                  | 248            | 375.6        | F1              | mg/Kg |   | 122  | 90 - 110       |

Lab Sample ID: 890-8023-A-3-C MSD

Matrix: Solid

Analysis Batch: 108379

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 72.0             | F1                  | 248            | 375.0         | F1               | mg/Kg |   | 122  | 90 - 110       | 0   | 20           |

Eurofins Carlsbad

## QC Association Summary

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8024-1

## GC VOA

## Analysis Batch: 108372

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8024-1          | R360-RB-BF-1           | Total/NA  | Solid  | 8021B  | 108382     |
| MB 880-108382/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 108382     |
| LCS 880-108382/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 108382     |
| LCSD 880-108382/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 108382     |
| 890-8022-A-1-E MS   | Matrix Spike           | Total/NA  | Solid  | 8021B  | 108382     |
| 890-8022-A-1-F MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 8021B  | 108382     |

## Prep Batch: 108382

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8024-1          | R360-RB-BF-1           | Total/NA  | Solid  | 5035   |            |
| MB 880-108382/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-108382/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-108382/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-8022-A-1-E MS   | Matrix Spike           | Total/NA  | Solid  | 5035   |            |
| 890-8022-A-1-F MSD  | Matrix Spike Duplicate | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 108467

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-8024-1    | R360-RB-BF-1     | Total/NA  | Solid  | Total BTEX |            |

## GC Semi VOA

## Prep Batch: 108380

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-8024-1          | R360-RB-BF-1           | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-108380/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-108380/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-108380/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8024-1 MS       | R360-RB-BF-1           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-8024-1 MSD      | R360-RB-BF-1           | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 108425

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8024-1          | R360-RB-BF-1           | Total/NA  | Solid  | 8015B NM | 108380     |
| MB 880-108380/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 108380     |
| LCS 880-108380/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 108380     |
| LCSD 880-108380/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 108380     |
| 890-8024-1 MS       | R360-RB-BF-1           | Total/NA  | Solid  | 8015B NM | 108380     |
| 890-8024-1 MSD      | R360-RB-BF-1           | Total/NA  | Solid  | 8015B NM | 108380     |

## Analysis Batch: 108493

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-8024-1    | R360-RB-BF-1     | Total/NA  | Solid  | 8015 NM |            |

## HPLC/IC

## Leach Batch: 108371

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-8024-1          | R360-RB-BF-1           | Soluble   | Solid  | DI Leach |            |
| MB 880-108371/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-108371/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-108371/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |

Eurofins Carlsbad

## QC Association Summary

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8024-1

## HPLC/IC (Continued)

## Leach Batch: 108371 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-8023-A-3-B MS  | Matrix Spike           | Soluble   | Solid  | DI Leach |            |
| 890-8023-A-3-C MSD | Matrix Spike Duplicate | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 108379

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-8024-1          | R360-RB-BF-1           | Soluble   | Solid  | 300.0  | 108371     |
| MB 880-108371/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 108371     |
| LCS 880-108371/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 108371     |
| LCSD 880-108371/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 108371     |
| 890-8023-A-3-B MS   | Matrix Spike           | Soluble   | Solid  | 300.0  | 108371     |
| 890-8023-A-3-C MSD  | Matrix Spike Duplicate | Soluble   | Solid  | 300.0  | 108371     |

Eurofins Carlsbad



Lab Chronicle

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8024-1

Client Sample ID: R360-RB-BF-1

Lab Sample ID: 890-8024-1

Date Collected: 04/22/25 12:30

Matrix: Solid

Date Received: 04/22/25 16:04

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 108382       | 04/23/25 08:37       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 108372       | 04/23/25 12:46       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 108467       | 04/23/25 12:46       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 108493       | 04/23/25 11:29       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 108380       | 04/23/25 08:31       | EL      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 108425       | 04/23/25 11:29       | SM      | EET MID |
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 108371       | 04/23/25 07:58       | SA      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 108379       | 04/23/25 11:43       | CH      | EET MID |

Laboratory References:  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8024-1

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400            | 06-30-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |

Method Summary

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8024-1

| Method      | Method Description                 | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)    | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation             | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC)   | SW846    | EET MID    |
| 300.0       | Anions, Ion Chromatography         | EPA      | EET MID    |
| 5035        | Closed System Purge and Trap       | SW846    | EET MID    |
| 8015NM Prep | Microextraction                    | SW846    | EET MID    |
| DI Leach    | Deionized Water Leaching Procedure | ASTM     | EET MID    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



Sample Summary

Client: AECOM  
Project/Site: AMOCO CTB

Job ID: 890-8024-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 890-8024-1    | R360-RB-BF-1     | Solid  | 04/22/25 12:30 | 04/22/25 16:04 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14



## Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1286  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199  
Little Rock, AR (501) 224-5060



390-8024 Chain of Custody

## Environment Testing

[illegible]

## Login Sample Receipt Checklist

Client: AECOM

Job Number: 890-8024-1

Login Number: 8024

List Number: 1

Creator: Lopez, Abraham

List Source: Eurofins Carlsbad

| Question                                                                         | Answer | Comment                             |
|----------------------------------------------------------------------------------|--------|-------------------------------------|
| The cooler's custody seal, if present, is intact.                                | True   |                                     |
| Sample custody seals, if present, are intact.                                    | True   |                                     |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |                                     |
| Samples were received on ice.                                                    | True   |                                     |
| Cooler Temperature is acceptable.                                                | True   |                                     |
| Cooler Temperature is recorded.                                                  | True   |                                     |
| COC is present                                                                   | True   |                                     |
| COC is filled out in ink and legible.                                            | True   |                                     |
| COC is filled out with all pertinent information                                 | True   |                                     |
| Is the Field Sampler's name present on COC?                                      | True   |                                     |
| There are no discrepancies between the containers received and the COC.          | True   |                                     |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |                                     |
| Sample containers have legible labels.                                           | True   |                                     |
| Containers are not broken or leaking.                                            | True   |                                     |
| Sample collection date/times are provided.                                       | True   |                                     |
| Appropriate sample containers are used.                                          | N/A    | Refer to Job Narrative for details. |
| Sample bottles are completely filled.                                            | True   |                                     |
| Sample Preservation Verified.                                                    | N/A    |                                     |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |                                     |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |                                     |



## Login Sample Receipt Checklist

Client: AECOM

Job Number: 890-8024-1

Login Number: 8024

List Number: 2

Creator: Laing, Edmundo

List Source: Eurofins Midland

List Creation: 04/23/25 08:43 AM

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present                                                                   | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information                                 | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | N/A    |         |

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 467789

**QUESTIONS**

|                                                                            |                                                                   |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                                    |
|                                                                            | Action Number:<br>467789                                          |
|                                                                            | Action Type:<br>[C-141] Deferral Request C-141 (C-141-v-Deferral) |

**QUESTIONS**

|                      |                                                    |
|----------------------|----------------------------------------------------|
| <b>Prerequisites</b> |                                                    |
| Incident ID (n#)     | nAPP2216547154                                     |
| Incident Name        | NAPP2216547154 AMOCO FEDERAL 11 CTB @ 30-015-22975 |
| Incident Type        | Oil Release                                        |
| Incident Status      | Deferral Request Received                          |
| Incident Well        | [30-015-22975] AMOCO FEDERAL 11 #001               |
| Incident Facility    | [fAPP2132844026] Amoco Fed 11 1 Battery            |

**Location of Release Source**

Please answer all the questions in this group.

|                         |                      |
|-------------------------|----------------------|
| Site Name               | AMOCO FEDERAL 11 CTB |
| Date Release Discovered | 06/03/2022           |
| Surface Owner           | Federal              |

**Incident Details**

Please answer all the questions in this group.

|                                                                                                      |             |
|------------------------------------------------------------------------------------------------------|-------------|
| Incident Type                                                                                        | Oil Release |
| Did this release result in a fire or is the result of a fire                                         | No          |
| Did this release result in any injuries                                                              | No          |
| Has this release reached or does it have a reasonable probability of reaching a watercourse          | No          |
| Has this release endangered or does it have a reasonable probability of endangering public health    | No          |
| Has this release substantially damaged or will it substantially damage property or the environment   | No          |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No          |

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

|                                                                                                                                                      |                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Crude Oil Released (bbls) Details                                                                                                                    | Cause: Equipment Failure   Separator   Crude Oil   Released: 2 BBL   Recovered: 1 BBL   Lost: 1 BBL.      |
| Produced Water Released (bbls) Details                                                                                                               | Cause: Equipment Failure   Separator   Produced Water   Released: 5 BBL   Recovered: 0 BBL   Lost: 5 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l                                                                                  | Yes                                                                                                       |
| Condensate Released (bbls) Details                                                                                                                   | Not answered.                                                                                             |
| Natural Gas Vented (Mcf) Details                                                                                                                     | Not answered.                                                                                             |
| Natural Gas Flared (Mcf) Details                                                                                                                     | Not answered.                                                                                             |
| Other Released Details                                                                                                                               | Not answered.                                                                                             |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | Not answered.                                                                                             |

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**State of New Mexico**  
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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 467789

**QUESTIONS (continued)**

|                                                                            |                                                                   |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                                    |
|                                                                            | Action Number:<br>467789                                          |
|                                                                            | Action Type:<br>[C-141] Deferral Request C-141 (C-141-v-Deferral) |

**QUESTIONS**

| <b>Nature and Volume of Release (continued)</b>                                                                                                         |                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Is this a gas only submission (i.e. only significant Mcf values reported)                                                                               | No, according to supplied volumes this does not appear to be a "gas only" report. |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC                                                                                  | No                                                                                |
| Reasons why this would be considered a submission for a notification of a major release                                                                 | Unavailable.                                                                      |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form. |                                                                                   |

**Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

|                                                                                                                    |               |
|--------------------------------------------------------------------------------------------------------------------|---------------|
| The source of the release has been stopped                                                                         | True          |
| The impacted area has been secured to protect human health and the environment                                     | True          |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True          |
| All free liquids and recoverable materials have been removed and managed appropriately                             | True          |
| If all the actions described above have not been undertaken, explain why                                           | Not answered. |

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

|                                                    |                                                                                                           |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| I hereby agree and sign off to the above statement | Name: Amy Barnhill<br>Title: Waste & Water Specialist<br>Email: ABarnhill@chevron.com<br>Date: 05/28/2025 |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------|



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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 467789

**QUESTIONS (continued)**

|                                                                                |                                                                       |
|--------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Operator:<br><br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br><br>4323                                                    |
|                                                                                | Action Number:<br><br>467789                                          |
|                                                                                | Action Type:<br><br>[C-141] Deferral Request C-141 (C-141-v-Deferral) |

**QUESTIONS**

|                                                                                                                                                                                                                                                      |                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| <b>Site Characterization</b>                                                                                                                                                                                                                         |                                |
| <i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i> |                                |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)                                                                                                                           | Between 26 and 50 (ft.)        |
| What method was used to determine the depth to ground water                                                                                                                                                                                          | Direct Measurement             |
| Did this release impact groundwater or surface water                                                                                                                                                                                                 | No                             |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>                                                                                                                             |                                |
| A continuously flowing watercourse or any other significant watercourse                                                                                                                                                                              | Between 1000 (ft.) and ½ (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)                                                                                                                                                                    | Between ½ and 1 (mi.)          |
| An occupied permanent residence, school, hospital, institution, or church                                                                                                                                                                            | Between 1 and 5 (mi.)          |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes                                                                                                                            | Between 1000 (ft.) and ½ (mi.) |
| Any other fresh water well or spring                                                                                                                                                                                                                 | Between 1 and 5 (mi.)          |
| Incorporated municipal boundaries or a defined municipal fresh water well field                                                                                                                                                                      | Between 1 and 5 (mi.)          |
| A wetland                                                                                                                                                                                                                                            | Between 1000 (ft.) and ½ (mi.) |
| A subsurface mine                                                                                                                                                                                                                                    | Between 1 and 5 (mi.)          |
| An (non-karst) unstable area                                                                                                                                                                                                                         | Greater than 5 (mi.)           |
| Categorize the risk of this well / site being in a karst geology                                                                                                                                                                                     | None                           |
| A 100-year floodplain                                                                                                                                                                                                                                | Between 100 and 200 (ft.)      |
| Did the release impact areas not on an exploration, development, production, or storage site                                                                                                                                                         | No                             |

|                                                                                                                                                                                                                                                                                                                                                                                       |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Remediation Plan</b>                                                                                                                                                                                                                                                                                                                                                               |            |
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>                                                                                                                                                                                      |            |
| Requesting a remediation plan approval with this submission                                                                                                                                                                                                                                                                                                                           | Yes        |
| <i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>                                                                                                                                                                        |            |
| Have the lateral and vertical extents of contamination been fully delineated                                                                                                                                                                                                                                                                                                          | Yes        |
| Was this release entirely contained within a lined containment area                                                                                                                                                                                                                                                                                                                   | No         |
| <b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)                                                                                                                                                                                                                                                                     |            |
| Chloride (EPA 300.0 or SM4500 Cl B)                                                                                                                                                                                                                                                                                                                                                   | 12900      |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)                                                                                                                                                                                                                                                                                                                                           | 1060       |
| GRO+DRO (EPA SW-846 Method 8015M)                                                                                                                                                                                                                                                                                                                                                     | 837        |
| BTEX (EPA SW-846 Method 8021B or 8260B)                                                                                                                                                                                                                                                                                                                                               | 0          |
| Benzene (EPA SW-846 Method 8021B or 8260B)                                                                                                                                                                                                                                                                                                                                            | 0          |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>                                                                        |            |
| On what estimated date will the remediation commence                                                                                                                                                                                                                                                                                                                                  | 04/21/2025 |
| On what date will (or did) the final sampling or liner inspection occur                                                                                                                                                                                                                                                                                                               | 04/21/2025 |
| On what date will (or was) the remediation complete(d)                                                                                                                                                                                                                                                                                                                                | 04/24/2025 |
| What is the estimated surface area (in square feet) that will be reclaimed                                                                                                                                                                                                                                                                                                            | 0          |
| What is the estimated volume (in cubic yards) that will be reclaimed                                                                                                                                                                                                                                                                                                                  | 0          |
| What is the estimated surface area (in square feet) that will be remediated                                                                                                                                                                                                                                                                                                           | 54500      |
| What is the estimated volume (in cubic yards) that will be remediated                                                                                                                                                                                                                                                                                                                 | 10400      |
| <i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>                                                                                                                                                                                |            |
| <i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i> |            |

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 467789

**QUESTIONS (continued)**

|                                                                            |                                                                   |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                                    |
|                                                                            | Action Number:<br>467789                                          |
|                                                                            | Action Type:<br>[C-141] Deferral Request C-141 (C-141-v-Deferral) |

**QUESTIONS**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Remediation Plan (continued)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                           |
| <i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                           |
| <b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                           |
| <i>(Select all answers below that apply.)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                           |
| (Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Yes                                                                                                       |
| Which OCD approved facility will be used for <b>off-site</b> disposal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | fEEM0112340644 R360 ARTESIA LLC LANDFARM                                                                  |
| <b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Not answered.                                                                                             |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No                                                                                                        |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | No                                                                                                        |
| (Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | No                                                                                                        |
| (In Situ) Soil Vapor Extraction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No                                                                                                        |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No                                                                                                        |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No                                                                                                        |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No                                                                                                        |
| Ground Water Abatement pursuant to 19.15.30 NMAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | No                                                                                                        |
| OTHER (Non-listed remedial process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No                                                                                                        |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                           |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |                                                                                                           |
| I hereby agree and sign off to the above statement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Name: Amy Barnhill<br>Title: Waste & Water Specialist<br>Email: ABarnhill@chevron.com<br>Date: 05/28/2025 |
| <i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                           |

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QUESTIONS, Page 5

Action 467789

**QUESTIONS (continued)**

|                                                                            |                                                                   |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                                    |
|                                                                            | Action Number:<br>467789                                          |
|                                                                            | Action Type:<br>[C-141] Deferral Request C-141 (C-141-v-Deferral) |

**QUESTIONS**

| <b>Deferral Requests Only</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                           |
| Requesting a deferral of the remediation closure due date with the approval of this submission                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Yes                                                                                                       |
| Have the lateral and vertical extents of contamination been fully delineated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes                                                                                                       |
| Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Yes                                                                                                       |
| Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Limited deferral being requested for under active separator/heater treater battery and electric line.     |
| What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 600                                                                                                       |
| What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 300                                                                                                       |
| <i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>                                                                                                                                                                                                                                                                                           |                                                                                                           |
| Enter the facility ID (f#) on which this deferral should be granted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | fAPP2132844026 Amoco Fed 11 1 Battery                                                                     |
| Enter the well API (30-) on which this deferral should be granted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Not answered.                                                                                             |
| Contamination does not cause an imminent risk to human health, the environment, or groundwater                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | True                                                                                                      |
| <i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                           |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |                                                                                                           |
| I hereby agree and sign off to the above statement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Name: Amy Barnhill<br>Title: Waste & Water Specialist<br>Email: ABarnhill@chevron.com<br>Date: 05/28/2025 |



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QUESTIONS, Page 6

Action 467789

**QUESTIONS (continued)**

|                                                                            |                                                                   |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                                    |
|                                                                            | Action Number:<br>467789                                          |
|                                                                            | Action Type:<br>[C-141] Deferral Request C-141 (C-141-v-Deferral) |

**QUESTIONS**

| Sampling Event Information                                                                      |            |
|-------------------------------------------------------------------------------------------------|------------|
| Last sampling notification (C-141N) recorded                                                    | 452532     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 04/21/2025 |
| What was the (estimated) number of samples that were to be gathered                             | 4          |
| What was the sampling surface area in square feet                                               | 1000       |

**Remediation Closure Request**

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

|                                                                |    |
|----------------------------------------------------------------|----|
| Requesting a remediation closure approval with this submission | No |
|----------------------------------------------------------------|----|

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CONDITIONS

Action 467789

## CONDITIONS

|                                                                            |                                                                   |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|
| Operator:<br>CHEVRON U S A INC<br>6301 Deauville Blvd<br>Midland, TX 79706 | OGRID:<br>4323                                                    |
|                                                                            | Action Number:<br>467789                                          |
|                                                                            | Action Type:<br>[C-141] Deferral Request C-141 (C-141-v-Deferral) |

## CONDITIONS

| Created By       | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Condition Date |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| michael.buchanan | Remediation report and partial deferral request are approved. Deferral of CSW-16, CSW-16A, CSW-23 are approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6/9/2025       |
| michael.buchanan | The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan. | 6/9/2025       |
| michael.buchanan | A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6/9/2025       |
| michael.buchanan | Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6/9/2025       |