



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 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-02¹. 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

¹ 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

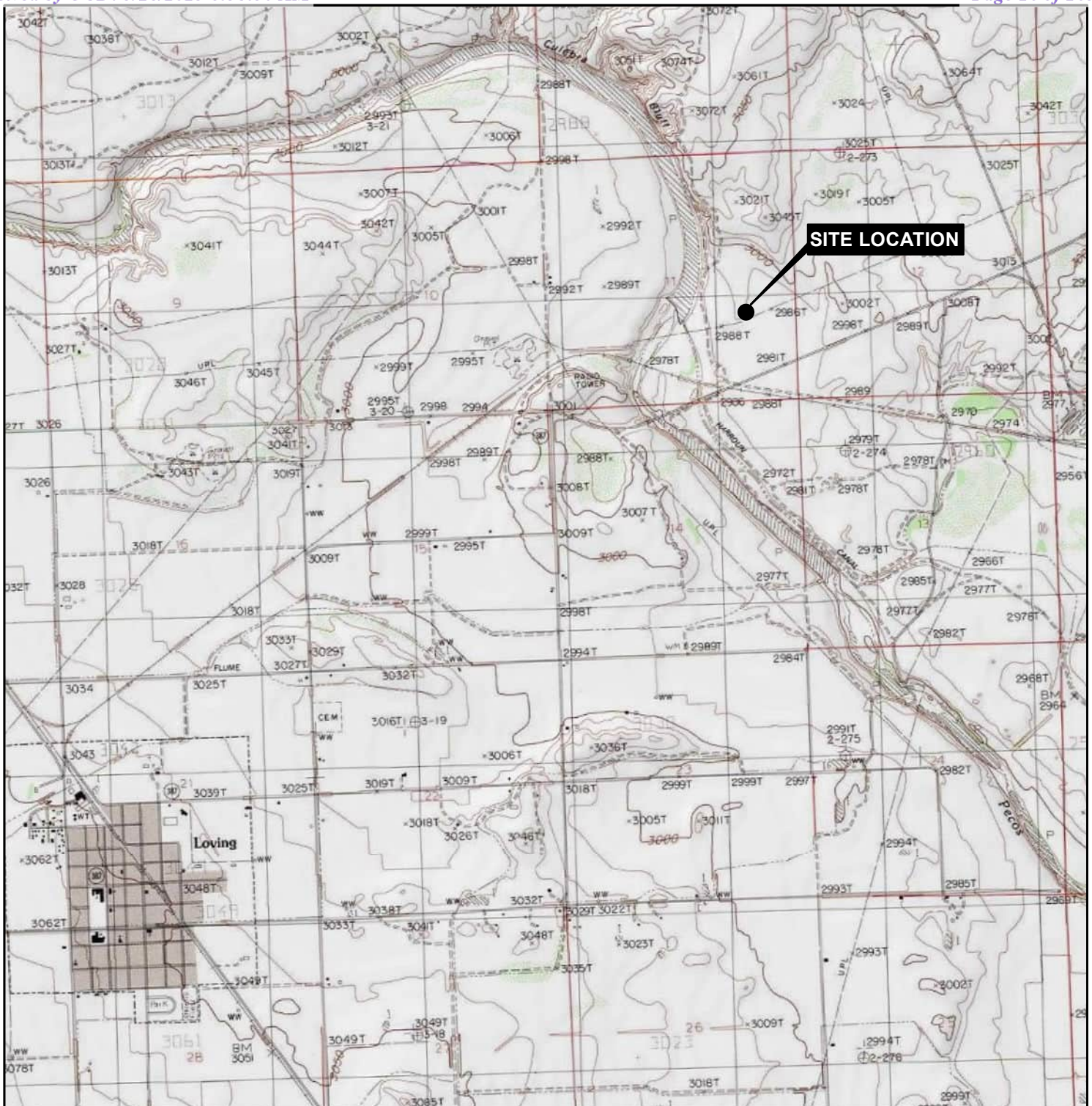
Based on completion of remedial excavation and confirmatory sampling activities, offsite disposal of impacted soil, backfilling with clean, imported soil, and communications with the OCD, no further action is currently considered warranted for the Site due to the following:

- 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.

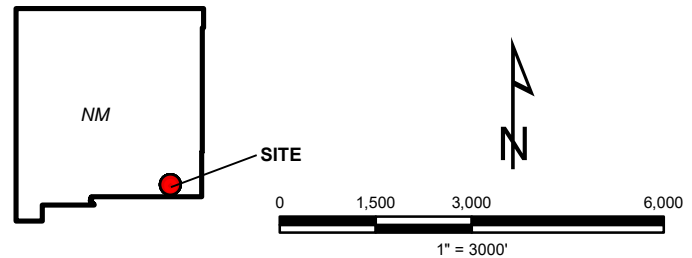
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Figures

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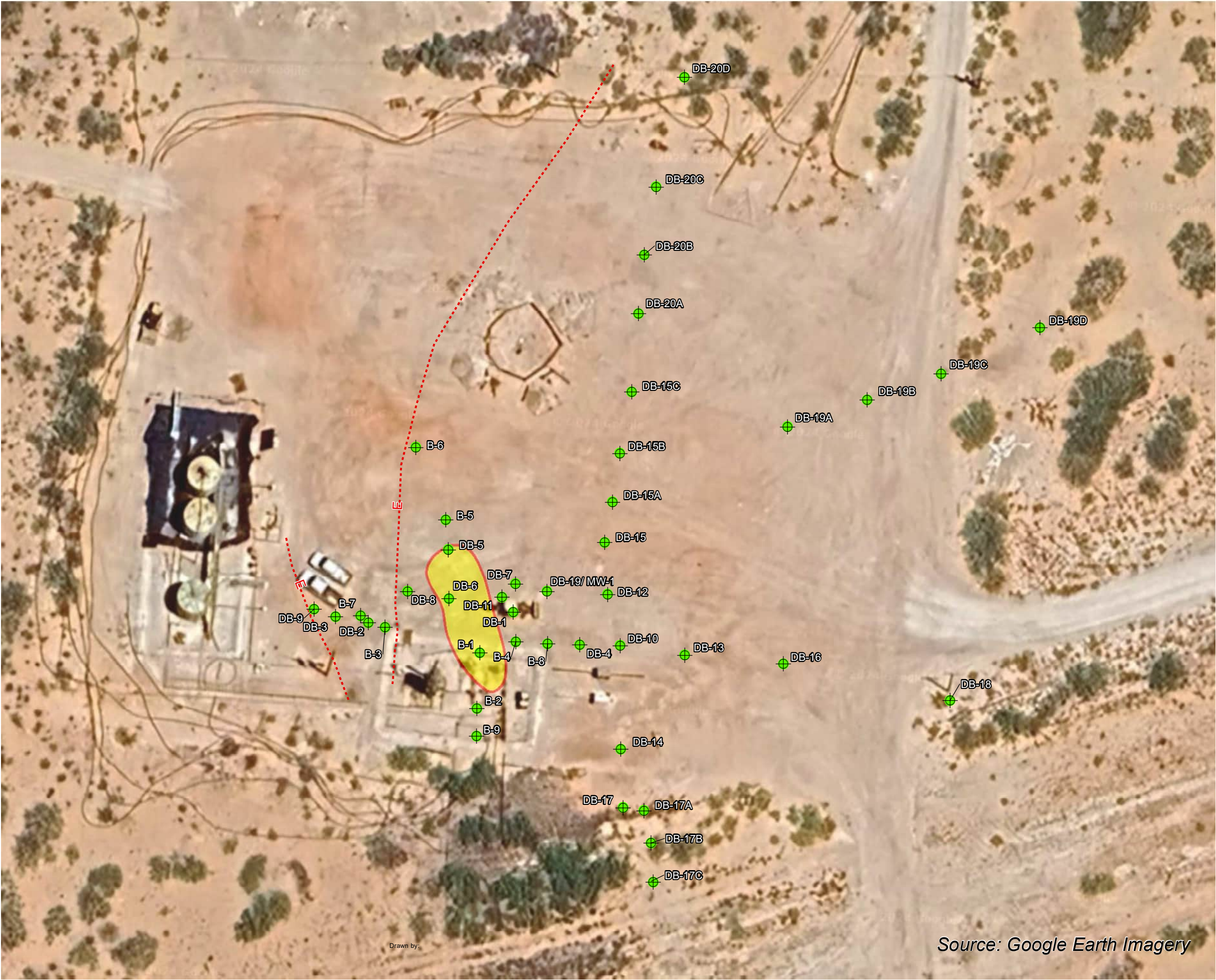
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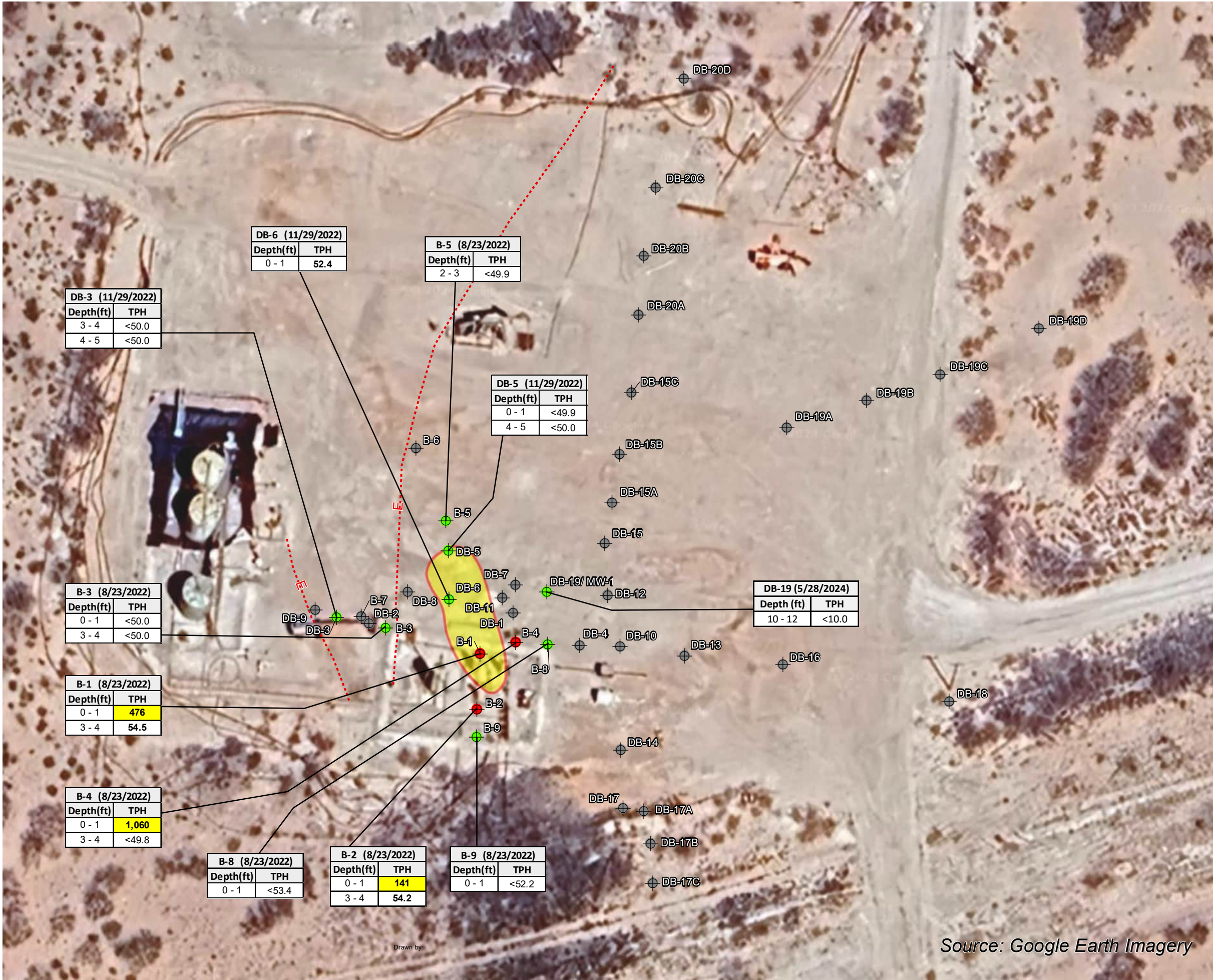
SITE LOCATION MAP

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

Released to Imaging: 8/14/2026 4:57:41 PM

AECOM
Figure: 1





Legend

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

Notes

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

Regulatory Limits:
TPH = 100 mg/kg



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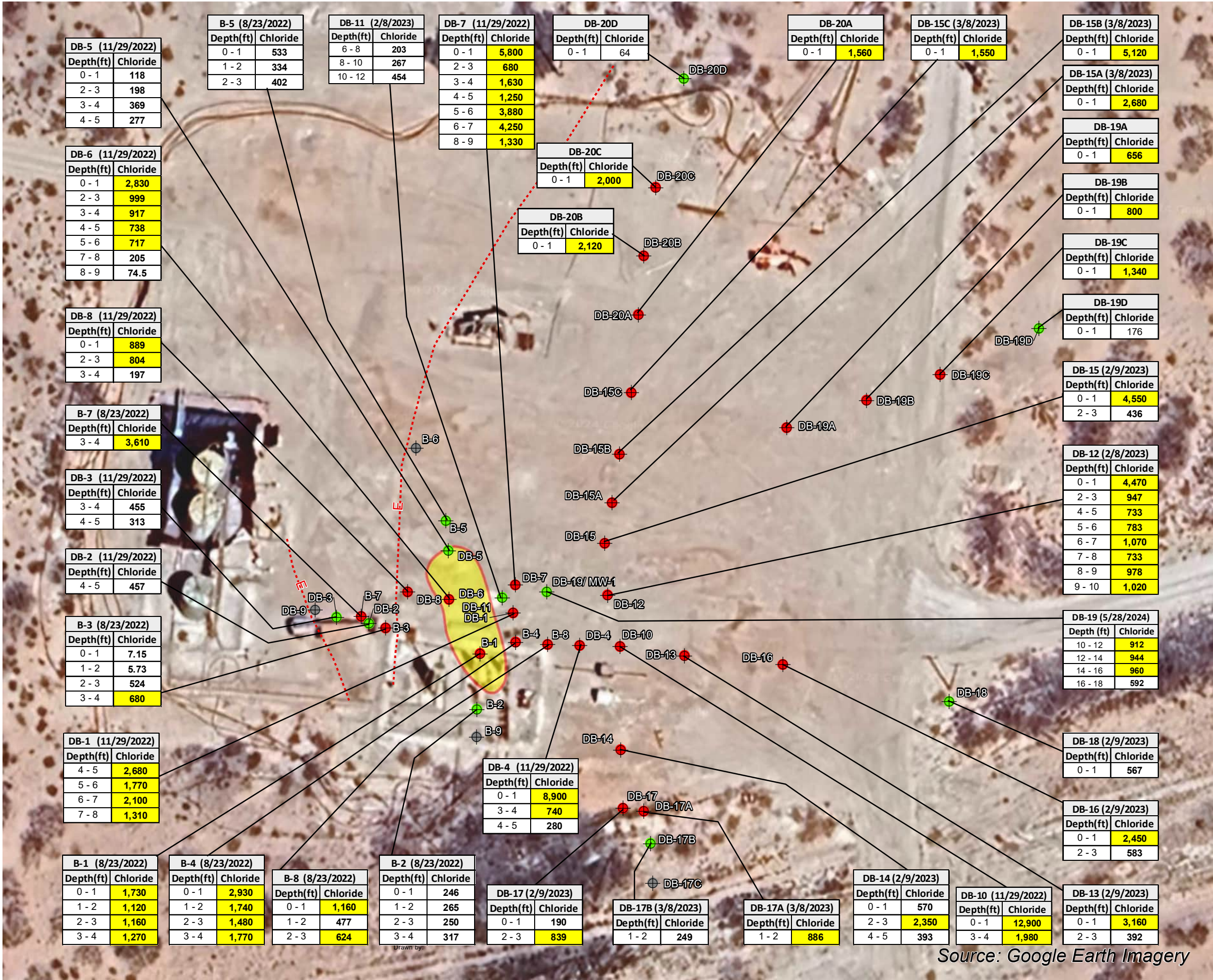
Amoco Federal 11 CTB
Eddy County, New Mexico

Project Number : 60689116

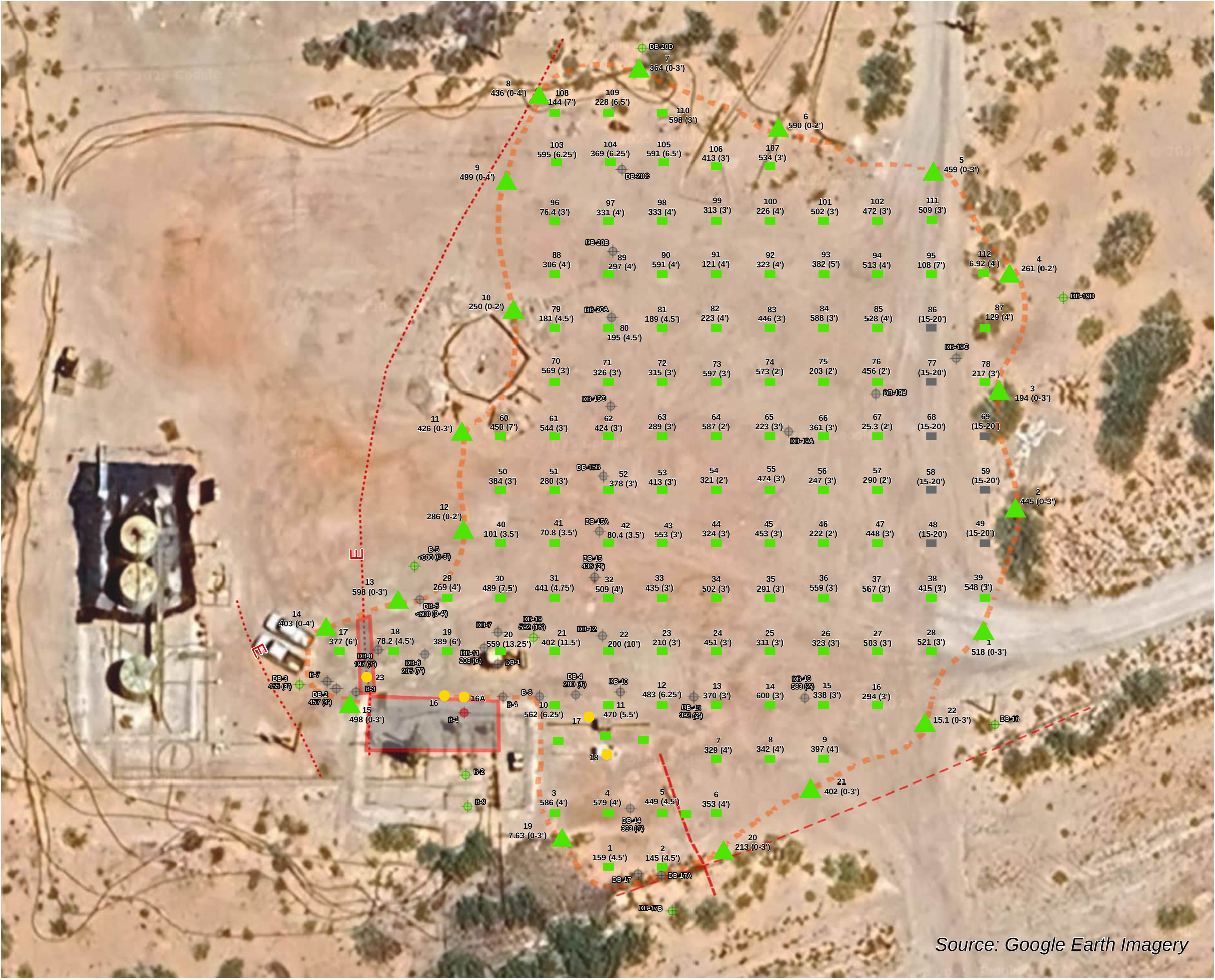
**TPH Soil Sample
Analytical Results Map**

GIS File: Figure 3A.mxd

Drawn by:	Date:	Figure:
POC	09/26/2024	3A



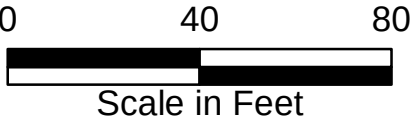
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Legend

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



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Amoco Federal 11 CTB
Eddy County, New Mexico

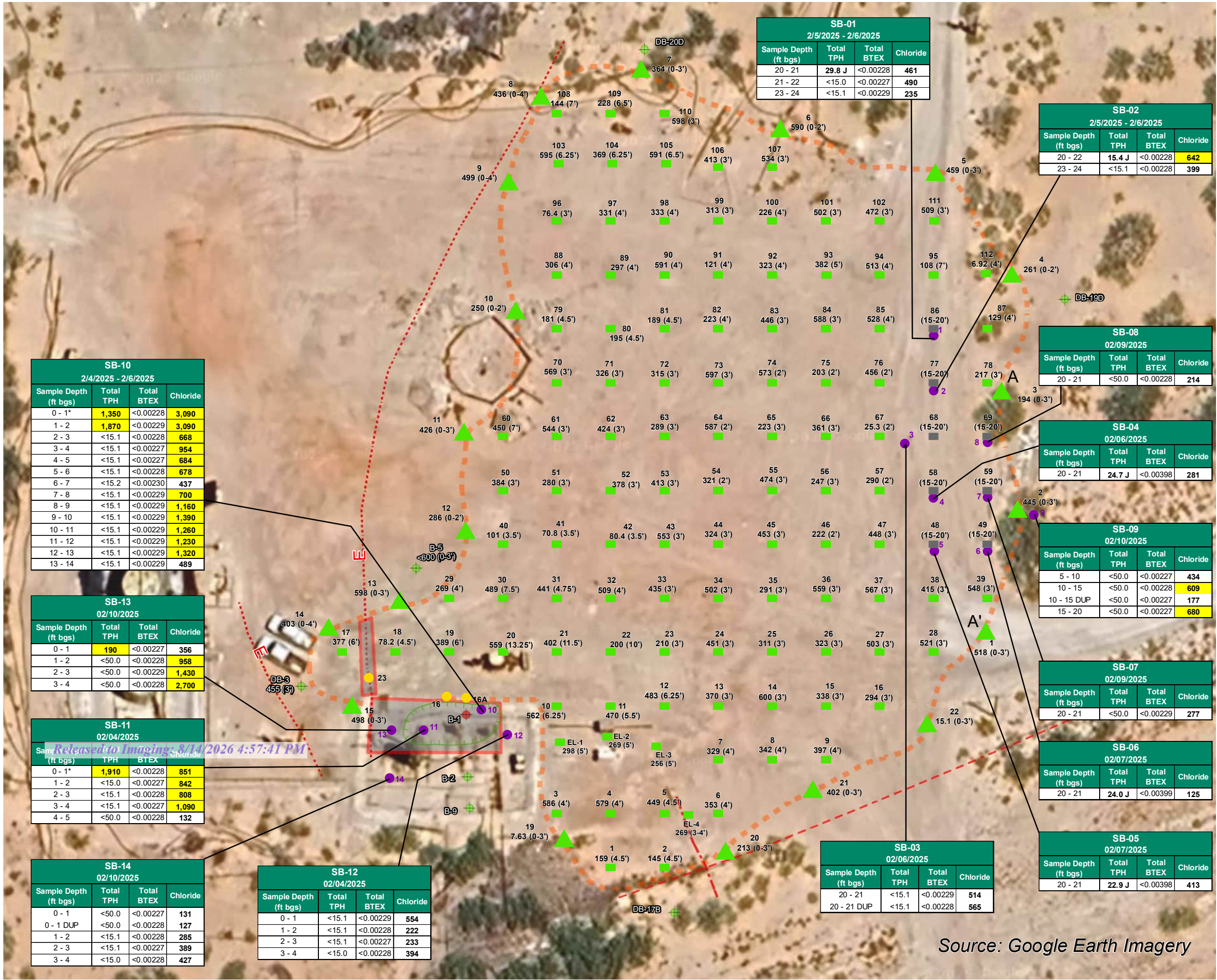
Project Number : 60734207

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

GIS File: Figure 4.mxd

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

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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			
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	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-011-5.0-20240814	8/14/2024	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,020		NM	
CSB-012	CSB-011-5.5-20240816	8/16/2024	5.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	470		NM	
	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-013	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-014	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-015	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-016	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-016-3.0-20240822	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-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	CSB-018-4.0-20240806	8/6/2024	4.0	<49.8	<49.8		<49.8	<0.00199	<0.00199	<0.00199	0.00407	0.00407	1,010		NM	
	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	CSB-019-6.0-20240806	8/6/2024	6.0	<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	CSB-021-10.25-20240809	8/9/2024	10.25	<14.5	<15.1		<15.1	<0.00140	<0.00202	<0.00110	<0.00230	<0.00230	1,060		0.1	
	CSB-021-11.5-20240812	8/12/2024	11.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	402		NM	
CSB-022	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		<15.0	NA	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	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	269		NM	
CSB-030	CSB-030-4.0-20240806	8/6/2024	4.0	<49.9	<49.9		<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,060		NM	
	CSB-030-4.75-20240809	8/9/2024	4.75	<14.4	<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-031	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-031-4.0-20240806	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	<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	<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	<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	NA	NA	502		NM	
CSB-035	CSB-035-2.0-20240719	7/19/2024	2.0	<49.9	<49.9	*1	<49.9	<0.00199	<0.00199	<0.00199	<0.					

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	--	--	--	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-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	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-060-7.0-20240814	8/14/2024	7.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	450	NM
CSB-061	CSB-061-3.0-20240730	7/30/2024	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	544	1.1
CSB-062	CSB-062-3.0-20240729	7/29/2024	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	424	1.1
CSB-063	CSB-063-3.0-20240729	7/29/2024	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	289	2.1
CSB-064	CSB-064-2.0-20240723	7/23/2024	2.0	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	587	1.3
CSB-065	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-065-3.0-20240724	7/24/2024	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	223	NM
CSB-066	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-069	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-069-3.0-20240731	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	880	NM
	CSB-069-4.5-20240812	8/12/2024	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,250	NM
	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-070	CSB-069-15.0-20240823	8/23/2024	15.0	NA	NA	NA	NA	NA	NA	NA	NA	833	NM	
CSB-070	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-074	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	1,159	0.9
	CSB-077-4.0-20240805	8/5/2024	4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,090	0.8
	CSB-077-5.0-20240808	8/8/2024	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	978	1.3
	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	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-080-4.5-20240820	8/20/2024	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	195	NM
CSB-081	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-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	189	NM
CSB-082	CSB-082-3.0-20240729	7/29/2024	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	738	1.3
	CSB-082-4.0-20240731	7/31/2024	4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	223	NM
CSB-083	CSB-083-3.0-20240726	7/26/2024	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	446	F1
	CSB-083-DUP-3.0													

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	10	--	--	--	50	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	<15.1	<0.00148	<0.00213	<0.00116	<0.00243	<0.00243	896	0.7
CSB-095	CSB-095-4.0-20240805	8/5/2024	4.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,080	0.6
	CSB-095-5.0-20240808	8/8/2024	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,290	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	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	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	688	F1 NM
CSB-104	CSB-104-6.25-20240816	8/16/2024	6.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	595	NM
	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-105-3.0-20240802	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	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-105-6.5-20240820	8/20/2024	6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	591	NM
CSB-106	CSB-106-3.0-20240730	7/30/2024	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	413	1.7
CSB-107	CSB-107-3.0-20240730	7/30/2024	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	534	2.1
	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	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-109-4.0-20240805	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	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-110-3.0-20240731	7/31/2024	3.0	<14.4	<15.0	<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	<15.1	15.1	<0.00139	<0.00200	<0.00109	<0.00229	<0.00229	509	F1 NM
	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	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	6.92	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	<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-02-0.3-20240814	8/14/2024	0 - 3	NA	NA	NA	NA	NA	NA	NA	NA	NA	445	NM
CSW-03	CSW-03-0.3-20240731	7/31/2024	0 - 3	<14.5	15.9	<15.1	15.9	<0.00138	<0.00199	<0.00108	<0.00227	<0.00227	194	1.3
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	<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	<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	<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	NA	912	NM
	CSW-07-0.3-20240815	8/15/2024	0 - 3	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,070	NM
	CSW-07-0.3-20240820	8/20/2024	0 - 3	NA	NA	NA	NA	NA	NA	NA	NA	NA	364	NM
	CSW-08-0.2-202													

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	<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	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	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	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	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	214	2.3
SB-09	SB-09 (5-10)	2/10/2025	5 - 10	<49.8	<49.8	<49.8	<50.0	<50.0		<0.00138	<0.00199	<0.00108	<0.00227	434	2.5
	SB-09 (10-15)	2/10/2025	10 - 15	<49.8	<49.8	<49.8	<50.0	<50.0		<0.00139	<0.00200	<0.00109	<0.00228	609	2.8
	SB-09 DUP (10-15)		<49.9	<49.9	<49.9	<50.0	<50.0		<0.00138	<0.00199	<0.00108	<0.00227	177		
	SB-09 (15-20)	2/10/2025	15 - 20	<49.8	<49.8	<49.8	<50.0	<50.0		<0.00139	<0.00199	<0.00108	<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	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	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	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	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	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	678	0.3
SB-10	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	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	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	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	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	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	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	1,320	0.7
SB-11	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	489	0.8
	SB-11 (0-1)	2/4/2025	0 - 1	<14.5	1910		<15.1	1910		<0.00139	<0.00199	<0.00108	<0.00228	851	2.0
	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	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	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	1,090	4.0
	SB-11 (4-5)	2/10/2025	4 - 5	<50.0	<50.0		<50.0	<50.0		<0.00139	<0.00200	<0.00109	<0.00228	132	4.5
	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	554	2.8
SB-12	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	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	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	394	8.5
	SB-13 (0-1)	2/10/2025	0 - 1	<49.8	190		<49.8	190		<0.00138	<0.00198	<0.00108	<0.00227	356	2.2
SB-13	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	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	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	2,700	F1
	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	131	
SB-14	SB-14 DUP (0-1)	2/10/2025	0 - 1	<49.9	<49.9		<49.9	<50.0		<0.00139	<0.00200	<0.00109	<0.00228	127	3.1
	SB-14 (1-2)	2/10/2025	1 - 2	<50.0	<50.0		<50.0	<50.0		<0.00139	<0.00200	<0.00109	<0.00229	285	3.9
	SB-14 (2-3)	2/10/2025	2 - 3	<49.8	<49.8		<49.8	<50.0		<0.00139	<0.00199	<0.00108	<0.00228	389	4.1
	SB-14 (3-4)	2/10/2025	3 - 4	<49.8	<49.8		<49.8	<50.0		<0.00138	<0.00199	<0.00108	<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 (Method EPA 300.0 Anions by Ion Chromatography)
			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)			--	--	--	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.
- "ft bgs" - feet below ground surface.
- "GRO" - Gasoline Range Organic Compounds
- "DRO" - Diesel Range Organic Compounds
- "MRO" - Motor Oil/Lube Range Organic Compounds
- 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

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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Thank you,
Amy

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

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)

☒ Crude Oil	Volume Released (bbls) 1.579	Volume Recovered (bbls) 1 bbl
☒ 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?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

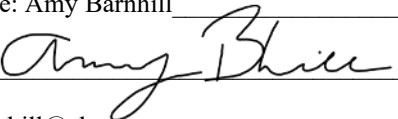
Cause of Release: The two-phase liquid dump was plugged and prevented flow, causing the vessel to overflow.

Incident ID	nAPP2216547154
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ 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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ 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: <u></u> _____	Date: 6-14-22 _____
email: ABarnhill@chevron.com _____	Telephone: 432-687-7108 _____
<u>OCD Only</u>	
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										
	SC		60	60	0.8 (20-22')	TPH, BTEX, Cl		GW	Well-rounded and well-graded fluvial gravel, small pebble to large cobble-sized, unconsolidated; dry.	20.0
					2.1 (22-23')	TPH, BTEX, Cl		SW	Tan-colored, coarse sand; well-graded with abundant subrounded pebbles; dry.	22.0
25					0.7 (23-24')	TPH, BTEX, Cl				
					1.6 (24-25')	TPH, BTEX, Cl				
					1.3 (25-26')	TPH, BTEX, Cl				
					0.9 (26-27')	TPH, BTEX, Cl		ML	Tan-colored, hard/indurated caliche; dry.	26.0
	SC		60	60				SC-SM	Clayey silt to very fine clayey sand; consolidated; clay is low plasticity and medium-soft; moist.	27.0
30										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 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 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 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 60					SW	Medium brown, well-graded, coarse sand; wet.	27.0
25	SC		60 60							
30	SC		60 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, fine sand , 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, gravelly clay ; 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, fine sand , 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, gravelly clay ; 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, gravelly sand ; contains up to 25% rounded gravel; wet.	35.0

Bottom of borehole at 35.0 feet.

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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 (ft)	Sample Type	Drilling Log	Push/ Recovery (in.)	PID ppm	Sampled Interval	Analysis	Graphic Log	USCS	MATERIAL DESCRIPTION	Contact Depth
0										
			60	60				SM	Medium brown, poorly-graded, silty sand ; dry.	
										3.0
			60	60				ML	White to tan-colored, hard/indurated caliche ; dry.	
5										5.0
			60	60				SW-SM	Tannish-brown, well-graded, silty sand with abundant caliche gravel; dry.	
										7.0
			60	60				ML	White to tan-colored, hard/indurated caliche ; dry.	
										8.0
			60	60				SW	Reddish-brown, well-graded sand with abundant caliche gravel; dry.	
10										
			60	60				ML	White to tan-colored, hard/indurated caliche ; dry.	
										12.0
			60	60						
15										
			60	60						
			60	60						
20										
										20.0
			60	60				SW	Reddish-brown, well-graded, gravelly sand ; contains up to 30% gravel; dry.	
			60	60						
										24.0
			60	60				ML	White to tan-colored, hard/indurated caliche ; dry.	
25										
			60	60						25.0
			60	60				SW-SC	Reddish-brown to brownish-yellow, well-graded, clayey sand with rounded pebbles to cobbles; moist near 28 feet below ground surface.	
			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 (ft)	Sample Type	Drilling Log	Push/ Recovery (in.)	PID ppm	Sampled Interval	Analysis	Graphic Log	USCS	MATERIAL DESCRIPTION	Contact Depth
0										
	SC		60 60					SM	Dark brown, silty sand ; dry.	
5	SC		60 60					ML	White to grey-colored, hard/indurated caliche ; dry.	4.0
10	SC		48 48					SW	Tannish-brown, well-graded, fine to medium sand ; contains up to 20% subangular caliche gravel; dry.	10.0
15	SC		72 72					ML	Tan-colored, hard/indurated caliche ; dry.	12.0
20	SC							SW	Reddish-brown, well-graded, fine to medium sand ; contains up to 20% subrounded to rounded caliche gravel; dry.	15.0
25	SC		60 60	2.2 2.5 1.9 1.7 1.6	(20-21') (21-22') (22-23') (23-24') (24-25')	TPH, BTEX, CI TPH, BTEX, CI TPH, BTEX, CI TPH, BTEX, CI TPH, BTEX, CI		SW-SC	Reddish-brown to brownish-yellow, well-graded, clayey sand ; contains approx. 25-30% subrounded gravel; dry.	23.0
30	SC		60 60					SW	Dark reddish-brown, well-graded, fine sand ; wet.	25.0
										30.0

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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 (ft)	Sample Type	Drilling Log	Push/ Recovery (in.)	PID ppm	Sampled Interval	Analysis	Graphic Log	USCS	MATERIAL DESCRIPTION	Contact Depth
0										
			60	60				SM	Dark brown, silty sand ; dry.	
										3.0
5								ML	White to tan-colored, hard/indurated caliche ; dry.	
			60	60				SW-SM	Tannish-brown, well-graded, silty sand ; contains approx. 10-15% subangular caliche gravel; dry.	6.0
										9.0
10			60	60				SW	Reddish-brown, well graded sand ; contains approx. 5-10% caliche gravel; dry.	
			60	60						15.0
15			60	60				SW-SM	Tan-colored, moderately to well-graded, fine to medium silty sand ; dry.	
			60	60						21.0
20			72	72				SW-SC	Reddish-brown to brownish-yellow, clayey sand ; well-graded with subrounded gravel; dry.	
										23.0
25								GC	Brownish-yellow, clayey gravel with sand ; approx. 25-30% rounded gravel, approx. 25% fine sand; dry.	
										26.0
								SW-SM	Tan-colored, well-graded, fine silty sand ; dry.	
			48	48						28.0
30								SW	Dark reddish-brown, well-graded, fine to medium sand ; 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 (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	Dark brown, well-graded, silty sand ; dry.	
5								ML	White to tan-colored, hard/indurated caliche ; dry.	3.0
	SC		60 60	2.5	(5-10')	TPH, BTEX, Cl		SW-SM	Medium brown, well-graded, silty sand ; dry.	8.0
10								SW	Tannish to reddish-brown, well-graded, gravelly sand ; contains approx. 25-30% subrounded to rounded gravel; dry.	12.0
15	SC		60 60	2.8	(10-15')	TPH, BTEX, Cl				
	SC		60 60	1.7	(15-20')	TPH, BTEX, Cl				
20										20.0
									Bottom of borehole at 20.0 feet.	



BORING LOG - WELL CONSTRUCTION DIAGRAM

BORING NUMBER AMOCO SB-10

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 2/6/25 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 32.318058LONGITUDE -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 (ft)	Sample Type	Drilling Log	Push/ Recovery (in.)	PID ppm	Sampled Interval	Analysis	Graphic Log	USCS	MATERIAL DESCRIPTION	Contact Depth
0										
	HA		12	1.9	(0-1')	TPH, BTEX, CI		SW-SM	Light brown, well-graded, fine silty sand with abundant subangular caliche gravel; dry.	
	HA		12	2.0	(1-2')	TPH, BTEX, CI		SW-SM	Brownish-orange, well-graded, very fine sand with abundant subangular caliche gravel; dry.	2.0
	HA		12	4.5	(2-3')	TPH, BTEX, CI				
	HA		12	3.3	(3-4')	TPH, BTEX, CI				4.0
5	SC		48	1.2	(4-5')	TPH, BTEX, CI		ML	White to light-brown, hard/indurated caliche ; dry.	
	SC		48	0.3	(5-6')	TPH, BTEX, CI				
	SC		48	0.2	(6-7')	TPH, BTEX, CI				
	SC		48	0.2	(7-8')	TPH, BTEX, CI				8.0
	SC		24	0.5	(8-9')	TPH, BTEX, CI		SW	Moderately to well-graded, fine sand with abundant subangular caliche gravel; dry.	
10	SC		24	0.7	(9-10')	TPH, BTEX, CI				
	SC		36	1.5	(10-11')	TPH, BTEX, CI				12.0
	SC		36	0.7	(11-12')	TPH, BTEX, CI		ML	White to light-brown, hard/indurated caliche ; notably becomes increasingly consolidated with depth; dry.	
	SC		36	0.8	(12-13')	TPH, BTEX, CI				
15	SC		36	0.6	(13-14')	TPH, BTEX, CI				
	SC		36	1.1	(14-15')	TPH, BTEX, CI				
	SC		36	0.6	(15-16')	TPH, BTEX, CI				16.0
	SC		36	1.1	(16-17')	TPH, BTEX, CI		SW	Reddish-brown, well-graded, fine to medium sand ; increasing gravel content (subangular pebbles) with depth; dry.	
	SC		48	0.8	(17-18')	TPH, BTEX, CI				
	SC		48	1.3	(18-19')	TPH, BTEX, CI				
20	SC		48	0.9	(19-20')	TPH, BTEX, CI				
	SC		48	0.5	(20-21')	TPH, BTEX, CI				
	SC		48	0.7	(21-22')	TPH, BTEX, CI				
	SC		48	0.6	(22-23')	TPH, BTEX, CI				
	SC		72	0.5	(23-24')	TPH, BTEX, CI				24.0
	SC		72	0.7	(24-25')	TPH, BTEX, CI		CL	Dark reddish-brown, sandy clay ; contains approx. 10-15% gravel (rounded pebbles); clay is low plasticity and medium-soft; dry.	25.0
25	SC		48	0.8	(25-26')	TPH, BTEX, CI		SW	Brownish-yellow, semi-consolidated, gravelly sand ; contains approx. 20-25% gravel (subrounded pebbles); dry.	26.0
	SC		48	0.5				SM	Dark reddish-brown, silty sand ; wet.	
	SC		48	0.6						
	SC		48	0.7						
	SC		48	0.5						
30				0.5						30.0

Bottom of borehole at 30.0 feet.

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

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 2/4/25 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 32.320949LONGITUDE -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 (ft)	Sample Type	Drilling Log	Push/ Recovery (in.)	PID ppm	Sampled Interval	Analysis	Graphic Log	USCS	MATERIAL DESCRIPTION	Contact Depth
0										
	HA	HA	12	2.8	(0-1')	TPH, BTEX, CI		SW-SM	Light brown, well-graded, fine silty sand with abundant subangular caliche gravel; dry.	
	HA	HA	12	4.6	(1-2')	TPH, BTEX, CI				2.0
	HA	HA	12	7.5	(2-3')	TPH, BTEX, CI		SW	Brownish-orange, well-graded, very fine sand with abundant subangular caliche gravel; dry.	
	HA	HA	12	8.5	(3-4')	TPH, BTEX, CI				4.0
									Bottom of borehole at 4.0 feet.	



BORING LOG - WELL CONSTRUCTION DIAGRAM

BORING NUMBER AMOCO SB-13

CLIENT Chevron MCBU

PROJECT NUMBER 60743624

PROJECT NAME MCBU NM Spill Sites

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

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

GROUND ELEVATION _____

GROUND WATER LEVEL _____

AT TIME OF DRILLING ---

LATITUDE 32.316241

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



BORING LOG - WELL CONSTRUCTION DIAGRAM

BORING NUMBER AMOCO SB-14

PAGE 1 OF 1

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



BORING LOG - WELL CONSTRUCTION DIAGRAM

BORING NUMBER AMOCO DB-19/MW-1

PAGE 1 OF 2

CLIENT Chevron MCBUPROJECT NAME MCBU NM Spill SitesPROJECT NUMBER 60729416; 60729423PROJECT LOCATION Loving, Eddy County, NMDATE STARTED 5/28/24 DRILLING CONTRACTOR Talon/LPE

GROUND ELEVATION _____

COMPLETED 5/29/24 DRILLING METHOD Geoprobe GV5 Sonic

GROUND WATER LEVEL _____

LOGGED BY B. Cland CHECKED BY B. WynneAT TIME OF DRILLING ---NOTES Amoco Federal 11 CTB. Monitor well MW-1 installed on 5/29/2024. LATITUDE 32.318114 LONGITUDE -104.052821

Sample Type:

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

BOREHOLE DIAMETER 4.5"WELL DIAMETER 2"

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 silty sand with abundant subangular caliche gravel; dry. - Caliche content up to approx. 30%, up to small cobble-sized.	2.0	
	SC		60	60				ML	Light grey, hard/indurated caliche ; dry.	4.0	
5	SC		60	60				SW-SM	Light tannish-orange, moderately to well-graded, fine to very fine silty sand with subangular caliche gravel; dry. - Caliche content approx. 15-20%, up to medium pebble-sized.	6.0	
	SC		60	60				ML	Light grey, hard/indurated caliche ; dry.		
10	SC		60	60							
	SC		60	60							
15	SC		12	12							
	SC		18	18				SW-SM	Light tannish-orange, fine to very fine silty sand with caliche gravel (same as 4-6"); dry.	16.0	
	SC		48	48				ML	Light grey, hard/indurated caliche ; dry.	17.0	
20	SC		48	48				SW	Tannish-yellow, well-graded, fine gravelly sand ; dry. - Gravel content consists of subangular caliche, up to 30%, small cobble-sized.	18.5	
	SC		54	28				ML	Light grey, hard/indurated caliche ; dry.	20.0	
	SC							SW	Tannish-yellow, well-graded, fine gravelly sand (same as 18.5-20"); dry.	21.0	
25	SC							CL	Reddish-brown, low to medium plasticity gravelly clay ; medium soft; dry. - Gravel content consists of subrounded to rounded caliche, approx. 15-20%, small pebble-sized. - Contains approx. 10-15% very fine sand and silt.	22.0	
	SC		48	48				ML	Light to medium brownish-grey, consolidated, gravelly silt with minor sand; dry. - Gravel content consists of rounded caliche, approx. 10-15%, small pebble-sized.	26.0	
30										30.0	

Portland
Type I/II
Cement.

Bentonite
seal with
3/8"
hydrated
bentonite
chips.

BORING LOG - WELL CONSTRUCTION DIAGRAM										BORING NUMBER AMOCO DB-19/MW-1	
AECOM										PAGE 2 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: HA-Hand Auger; HSA-Hollow Stem Auger; SSA - Solid Stem Auger; DP- Direct Push; SC - Sonic Core										BOREHOLE DIAMETER <u>4.5"</u>	
										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	
30	SC		36 24					CL-ML	Brownish-orange, low plasticity sandy to silty clay ; medium soft to stiff, consolidated; dry.		
33.0	SC		36 36			CL		ML	Brownish-yellow, consolidated, very fine sandy silt with minor clay; stiff, moist. - Clay is low plasticity, content approx. 10-15%.	33.0	
35	SC		48 48					SM	Brownish to greyish-yellow, poorly-graded, consolidated, very fine silty sand ; stiff, moist.	36.0	
40	SC		36 30					CL-ML	Brownish to greyish-yellow, low plasticity, very fine sandy to silty clay ; consolidated, stiff, moist.	40.0	
42.0	SC							CL	Dark grey, low plasticity, very fine sandy clay ; consolidated, very stiff, moist. Reddish-brown oxidation staining visible.	42.0	
43.0	SC							CL-ML	Brownish-yellow, low plasticity, very fine sandy to silty clay (same as 40-42'); moist.	43.0	
45	SC							ML	Light grey, hard/indurated caliche ; dry. Monitor well installed as flush mount.	45.0	
46.0									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

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

Photo No. 02	Date: 07/19/24	
Direction Photo Taken: South		
Description: 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.		

AECOM		APPENDIX C PHOTOGRAPHIC LOG	
Project Number: 60734207		Site Location: Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico	Page 2 of 14
Photo No. 03	Date: 07/19/24		
Direction Photo Taken: Looking down into ground			
Description: 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.			

Photo No. 04	Date: 07/22/24	
Direction Photo Taken: Southeast		
Description: 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.		

AECOM		APPENDIX C PHOTOGRAPHIC LOG	
Project Number: 60734207		Site Location: Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico	
Photo No. 05		Date: 07/25/24	
Direction Photo Taken: South			
Description: 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.			

Photo No. 06		Date: 07/31/24	
Direction Photo Taken: Northeast			
Description: 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.			

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

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

AECOM**APPENDIX C
PHOTOGRAPHIC LOG**

Project Number: 60734207		Site Location: Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico	Page 5 of 14
Photo No. 09	Date: 08/12/24		
Direction Photo Taken: Northwest			
Description: 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.			

Photo No. 10	Date: 08/14/24	
Direction Photo Taken: South		
Description: 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.		

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

Photo No. 12		Date: 08/15/24	
Direction Photo Taken: East			
Description: 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.			

AECOM		APPENDIX C PHOTOGRAPHIC LOG	
Project Number: 60734207		Site Location: Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico	
Photo No. 13		Date: 08/15/24	
Direction Photo Taken: Northeast			
Description: 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.			

Photo No. 14		Date: 08/20/24	
Direction Photo Taken: South			
Description: 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.			

AECOM		APPENDIX C PHOTOGRAPHIC LOG	
Project Number: 60734207		Site Location: Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico	
Page 8 of 14			
Photo No. 15	Date: 08/21/24		
Direction Photo Taken: Southwest			
Description: Looking southwest at south-central portion of excavation area near completion. Base of excavation pictured ranges from approximately 11-15 feet below ground surface.			

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

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

Photo No. 18	Date: 09/12/24	
Direction Photo Taken: East		
Description: Looking east across pad while backfilling and compacting.		

AECOM		APPENDIX C PHOTOGRAPHIC LOG	
Project Number: 60734207 / 60743624		Site Location: Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico	
Page 10 of 14			
Photo No. 19	Date: 09/12/24		
Direction Photo Taken: South			
Description: Looking south across pad while backfilling and compacting.			

Photo No. 20	Date: 02/05/25	
Direction Photo Taken: Southwest		
Description: 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).		

AECOM		APPENDIX C PHOTOGRAPHIC LOG	
Project Number: 60743624		Site Location: Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico	
Page 11 of 14			
Photo No. 21	Date: 02/05/25		
Direction Photo Taken: Looking down towards ground			
Description: 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.			

Photo No. 22	Date: 02/05/25	
Direction Photo Taken: Looking down towards ground		
Description: 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.		

AECOM		APPENDIX C PHOTOGRAPHIC LOG	
Project Number: 60743624		Site Location: Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico	
Photo No. 23		Date: 04/21/25	
Direction Photo Taken: West			
Description: 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.			

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

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

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

AECOM		APPENDIX C PHOTOGRAPHIC LOG	
Project Number: 60743624		Site Location: Amoco Federal 11 Central Tank Battery – Eddy County, New Mexico	
Photo No. 27		Date: 04/25/25	
Direction Photo Taken: North			
Description: 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.			

Photo No. 28		Date: 04/25/25	
Direction Photo Taken: Southwest			
Description: 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&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 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				
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 Andres RodriguezPhone 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. Amoco Federal 11 CTB

County _____

API No. 30-015-22975

Rig Name & No. _____

AFE/PO No. 11051 TO 3X

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 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, NMPhone No. 505-762-2275Driver'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-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

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

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

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT) M...DATE 7/23/24TITLE ...SIGNATURE ...



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Arto Kize

Phone No. 575-266-2266

GENERATOR

NO. 342528

Operator No. _____

Permit/RRC No. _____

Operators Name Chawon Buckner

Lease/Well Name & No. Amco Federal 11 CTB

Address 5301 Tomas DR

County _____

City, State, Zip Buckner NM 88220

API No. 30-NIS-22975

Phone No. 575-887-5676

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

Driver's Name Luis Rios

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

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 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. 3A-015-02975

Rig Name & No. ORUS 1108X

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&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

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 DELIVERY DATE 7-23-24DRIVER'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 > 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 Parkland TX 88220
Phone No. 575-887-5676

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&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&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 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 > 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 NMAddress 5301 Luning drCity, State, Zip Carlshod NM 88720Phone No. 575-887-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco pad 11 CTB1County EddyAPI No. 30-015-7775

Rig Name & No. _____

AFE/PO No. 0015 U03Y

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 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. 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 > 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&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>	INTERNAL USE ONLY	_____	TOP SOIL & CALICHE SALES	_____
Gas Plant Waste	_____	Truck Washout (exempt waste)	<u>YES</u> NO	QUANTITY	TOP SOIL CALICHE

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.

SHIPMENT DATE 7-20-24 DRIVER'S SIGNATURE Ines De LunaDELIVERY DATE 7-20-24 DRIVER'S SIGNATURE Ines De Luna

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

donc@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 & No.

County

API No.

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)

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&P WASTE STREAMS

INTERNAL USE ONLY

Truck Washout (exempt waste)

YES

NO

TOP SOIL & CALICHE SALES

QUANTITY

75

TOP SOIL

CALICHE

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
NameAddress Midland TXPhone No. 956-369-5891

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 > 50 micro roentgens? (Circle One)

YES

NO

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLs Received

Free Water

Total Received

BS&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&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) ☒ YES ☐ NO	QUANTITY	TOP SOIL	CALICHE
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 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 Guage		
2nd Guage		
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 KPhone 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 El Paso
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
Drilled Muds	_____	NON-INJECTABLE WATERS	_____
Drilled Cuttings	_____	Washout Water (Non-Injectable)	_____
Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____
Based Cuttings	_____	Produced Water (Non-Injectable)	_____
Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____
Bottoms	_____	INTERNAL USE ONLY	_____
Contaminated Soil	_____	Truck Washout (exempt waste)	YES NO
Ant Waste	_____	QUANTITY	TOP SOIL CALICHE

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. 575-266-2266

GENERATOR

1801 NO. 342602

Operator No. _____

Operators Name Chevron Carlshad
Address 5301 Lomas DrCity, State, Zip Carlshad, NM 88220
Phone No. 575-887-5676Permit/RRC No. _____
Lease/Well Name & No. Amoco Federal 11 CTB
County _____
API No. 30-015-22975-UCUSHT03X
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)

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 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, Con
Address Midland TXPhone No. 956-369-5891Driver's Name Tina De Luna
Phone No. 375-226-1134
Truck No. 14
WHP 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-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

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

Waste Type	Volume	Waste Type	Volume
Drilled Muds	_____	NON-INJECTABLE WATERS	_____
Drilled Cuttings	_____	Washout Water (Non-Injectable)	_____
Based Muds	_____	Completion Fluid/Flow Back (Non-Injectable)	_____
Based Cuttings	_____	Produced Water (Non-Injectable)	_____
Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____
Bottoms	_____	INTERNAL USE ONLY	_____
Contaminated Soil	<u>✓</u>	Truck Washout (exempt waste)	_____
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 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 Hudon Corp
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 > 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. 579-910-7711

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342408

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&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 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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

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 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 111
 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&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 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

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

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 Prod 116R-1County CurryAPI No. 30-015-22475

Rig Name & No. _____

AFE/PO No. 1703V

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>Relly dome</u>

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 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 Tim KuroseDATE 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 _____

DELIVERY DATE 07/25/24DRIVER'S SIGNATURE Andres Rodriguez

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 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 7/25/24DENIED [Signature]

If denied, why? _____

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

TITLE _____

SIGNATURE [Signature]



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

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

(PLEASE PRINT)

REQUIRED INFORMATION

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 _____

Name & No. Amor (not well)County T.ddyAPI No. 38-015-21975

Rig Name & No. _____

AFE/PO No. 0005 1708X

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&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&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 TruckingAddress 25 N. Alameda NWPhone No. Malaga NM 87109Driver's Name Tyler L. Limer

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. 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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

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

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342414

Operator No. _____

Operators Name Alhewon Oshobode
Address 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&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 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 Elm B...DATE 7/25/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name Southern Empire LLC
Address BRT

Phone No. _____

Driver's Name Luis R...

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

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA 28

IN: _____ OUT: _____

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

1st Gauge
2nd Gauge
Received

Feet

Inches

BS&W Received

Free Water

Total Received

BS&W (%)

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

ACCEPTED [Signature]DENIED AmIf denied, why? AmNAME (PRINT) [Signature]DATE 7/25/24TITLE AmSIGNATURE [Signature]



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Heath K. KiserPhone No. 575 266 2216

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342417

Operator No. _____
 Operators Name Jefferson Bulkhead
 Address 5301 Lomas Rd
 City, State, Zip Bulverde TX 78009
 Phone No. 575-487-5015

Permit/RRC No. _____
 Lease/Well _____
 Name & No. Alvord rd 11 c16 1
 County El Paso
 API No. 30-05-22475
 Rig Name & No. _____
 AFE/PO No. 0051003V

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 _____ 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
 Address 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

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. CA

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 Debra KiserPhone No. 575-744-776

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. 342432

Operator No. _____
 Operators Name Chellon
 Address 5301 JAMES
 City, State, Zip Dallas TX 75220
 Phone No. 575-887-9670

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

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>Belly Dump</u>

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 80 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]
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 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 7/25/24

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name: Reston KetchPhone No: 75-711-7111

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342433

Operator No. _____

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

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco prod well 4County EdinAPI No. 3-15-7475Rig Name & No. 0115 ITOTV

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&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. 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 > 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 1
 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&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 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 > 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. 575-266-2266

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. 30-015-22975
 Rig Name & No. 40451503X
 AFE/PO No. 40451503X

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 backQUANTITY 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's Name Black River Trucking
 Address 25 N. Nicholas Rd
 Phone No. 575-745-2209

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

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 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 & No.

County

API No.

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)

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&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

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

1st Gauge

2nd Gauge

Received

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 Armando H. CortezPhone No. 572-18-1216

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. **342505**

Operator No. _____
 Operators Name Chevron Carlsbad
 Address 5301 Lomas Dr.
 City, State, Zip Carlsbad NM 88220
 Phone No. 505-287-5076

Permit/RIC No. _____
 Lease/Well Name & No. Arroyo F. 3 well 11 CTB
 County 30-015-22975
 API No. _____
 Rig Name & No. 1200 15058
 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 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 AGENT'S SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Black River Trucking
 Address 210 N. 1st St. P.O.
 Phone No. _____

Driver's Name Jose L. Gomez
 Phone No. 572-18-1216
 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

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 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 7/22

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name Barbara KizerPhone No. 575-266-7246

GENERATOR

NO. 342506

Operator No. _____

Operators Name Chavon BackfordAddress 5301 Lanes DrCity, State, Zip Chickadee NM 88220Phone No. 575-897-5676

Permit/RRC No. _____

Lease/Well _____

Name & No. Amos Kester 11 CTB

County _____

API No. 30-015-22975

Rig Name & No. _____

AFE/PO No. 08 4045/T03V

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)	_____	<u>Belly</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&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 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 6-22-24

SIGNATURE _____

TRANSPORTER

Transporter's Name Black River TruckingAddress 25 N Nicholas RdPhone No. 575-2745-2309Driver's Name Seamus DominguezPhone No. 575-2745-2309Truck No. 10246WHP No. 119

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 Seamus DominguezDELIVERY DATE 7-22-24DRIVER'S SIGNATURE Seamus Dominguez

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	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) Seamus DominguezDATE 7/22/24SIGNATURE Seamus Dominguez

SIGNATURE _____



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Proctor 12125Phone No. 575-280-2266

GENERATOR

NO. **342507**

Operator No. _____

Permit/RRC No. _____

Operators Name Chesum Carlsbad

Lease/Well _____

Address 5301 Lomas Dr.Name & No. Amoco Federal 11 CTB 1City, State, Zip Carlsbad NM 88220

County _____

Phone No. 575 284 5646API No. 30-015 22915Rig Name & No. N/AAFE/PO No. UCUS1303X

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)	<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&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.

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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 Blaze River TruckingDriver's Name Jesus 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

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 > 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 & No.

County

City, State, Zip

API No.

Phone No.

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)

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

Gas Plant Waste

Truck Washout (exempt 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 (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

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

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

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 4:57:41 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 Robert Kiser

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Robert 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&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

QUANTITY B-BARRELS Y-YARDS 20 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)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Black River Trucking
Address _____
Phone No. _____

Driver's Name Bryan Rizer
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. 432-448-4239NORM 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

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Paul KiserPhone No. 75-266-776

GENERATOR

NO. **342511**

Operator No. _____
 Operators Name Chavon Parkhurst
 Address 5311 10th St NE
 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&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) <u>Be 1/4</u>
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	<u>X</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

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

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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 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 Lamar DrCity, State, Zip Midland TX 79705Phone No. 575-887-5628

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco Eadsell 11 CTB 1

County _____

API No. 20-015-22975

Rig Name & No. _____

AFE/PO No. UC451T03X

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

B-BARRELS

Y-YARDS

E-EACH

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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 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. 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

1st Gauge

2nd Gauge

Received

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

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Robert 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 & No. _____

AFE/PO No. ACUSIT03V

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&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&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 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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge
2nd Gauge
Received

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) 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 Richard KiserPhone No. 575-266-2216

GENERATOR

NO. 342514

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&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&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

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

Feet

Inches

1st Gauge

2nd Gauge

Received

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

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Arthur LeePhone No. 575-246-7270

GENERATOR

NO. **342515**

Operator No. _____
 Operators Name Charon Paulsford NM
 Address 5301 Lomas Dr
 City, State, Zip Midland NM 88220
 Phone No. 575-887-5020

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&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&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 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 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 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 & No.

County

API No.

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)

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&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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

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

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Richard KizerPhone No. 575-266-2266

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

GENERATOR

NO. 342517

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

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)

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&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:

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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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

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

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. 254-226-2266

GENERATOR

NO. **342519**

Operator No. _____

Operators Name ChevronAddress 301 James St.City, State, Zip Corpus Christi, TX 78401Phone No. 361-8825676

Permit/RRC No. _____

Lease/Well _____

Name & No. Alamo 2-1-11-11-11

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. 110515018

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>Belly Dump</u>

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 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 _____

DRIVER'S SIGNATURE _____

DELIVERY DATE 7-22-24

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site Name/

Red Bluff Facility / STF-065

Permit No. _____

Phone No. 432-448-42395053 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

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) Manuel AceDATE 7-22-24

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 Cortez

Lease/Well

Address 501 Thoma DrName & No. Manuel Cortez 11 CTB 1City, State, Zip Chickadee NM 88220County EdraPhone No. 505-877-5625API No. 32-015-22975

Rig Name & No. _____

AFE/PO No. LU451 Jo 3X

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		
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&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 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

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.

432-448-4239NORM 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

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

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 Proctor 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 5676

Permit/RRC No. _____
 Lease/Well Name & No. Arcoo Federal 11-07B
 County 30-015-20475
 API No. _____
 Rig Name & No. _____
 AFE/PO No. 10051503X

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 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 _____DATE 6-22-24SIGNATURE _____

TRANSPORTER

Transporter's Name Black River Trucking
 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 6-22-24DRIVER'S SIGNATURE _____DELIVERY DATE 7-22-24DRIVER'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 7/22DENIED _____If denied, why? _____NAME (PRINT) MetishaDATE 7/22TITLE _____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. _____
 Operators Name Pharon Carlisle
 Address 5801 Jones Dr
 City, State, Zip Galveston TX 77550
 Phone No. 505-882-1070

Permit/RRC No. _____
 Lease/Well Name & No. Amoco School #1 CTB
 County Galveston
 API No. 70-015-22975
 Rig Name & No. _____
 AFE/PO No. UCUSLT03K

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 LINESNON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&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 00 B-BARRELS 00 YARDS 00 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 Transport
 Address 2700 S. Cedar Rd
 Phone No. 409-222-2444

Driver's Name Sue L. Bunch
 Phone No. 609
 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

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

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 DeKalb NM 88220
 Phone No. 575-287-5676

Permit/RRC No. _____
 Lease/Well Name & No. Amoco Fiddell II MTR 1
 County DeKalb
 API No. 32-05-22975
 Rig Name & No. N 119
 AFE/PO No. 10015103X

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)	<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)	
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 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. 575-3845-2329

Driver's Name Servando Dominguez
 Phone No. 575-1910-9853
 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			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 Preston Kizer

Phone No. 545-266-22

GENERATOR

NO. 342524

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&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 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&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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

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

(PLEASE PRINT)

REQUIRED INFORMATION

Name Reuben K. 11Phone No. 575-265-2266

GENERATOR

NO. 342527

Operator No. _____

Operators Name Phuon ParklandAddress 301 10th St DECity, State, Zip Parkland NM 88201Phone No. 575-887-5626

Permit/RRC No. _____

Lease/Well _____

Name & No. Drill. Funded 11 CTA

County _____

API No. 36-015-2297-E

Rig Name & No. _____

AFE/PO No. UCUSIT03X

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&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&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 Reuben K. 11DATE 6-23-24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name Black River TruckingAddress 25 N. Nicholas RdMalaga, NMPhone No. 575-746-2309Driver's Name Servando DominguezPhone No. 575-840-4053Truck No. 149WHP 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.

7-23-24 SHIPMENT DATEServando Dominguez DRIVER'S SIGNATURE7-23-24 DELIVERY DATEServando D 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

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) Reuben K. 11DATE 7-23-24TITLE OwnerSIGNATURE [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 Chavon BelcherAddress 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 & No. _____

AFE/PO No. 110451023V

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)	<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&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 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 #1 CTA 1
 County _____
 API No. 30-015-22975
 Rig Name & No. _____
 AFE/PO No. UCUS102X

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 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

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 66

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



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 & No. _____

AFE/PO No. 4105103V

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 _____ 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

	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 7/22/24DENIED 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 Charlottesville VA 22902
 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. UICUS/702V

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 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) <u>Belly dump</u>
Oil Based Cuttings	_____		
Water Based Muds	_____		
Water Based Cuttings	_____		
Produced Formation Solids	_____		
Tank Bottoms	_____		
E&P Contaminated Soil	<u>x</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

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.
Address

Red Bluff Facility / STF-065
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

DENIED

If denied, why?

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Basha K. CooperPhone No. 575-266-2266

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. 342534

Operator No. _____
 Operators Name Amoco Production
 Address 5301 Jones Dr
 City, State, Zip Chattanooga TN 37420
 Phone No. 575-887-5676

Permit/RRC No. _____
 Lease/Well Name & No. Amoco Federal 11 CT
 County _____
 API No. 31-015-22975
 Rig Name & No. _____
 AFE/PO No. 110051703V

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 _____ 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 Black River Trucking
 Address 25 N. Nicholas Rd
Wading River, NY
 Phone No. 575-745-2309

Driver's Name Sergando Dominguez
 Phone No. 575-240-0252
 Truck No. 149
 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 7-22-94 DRIVER'S SIGNATURE Sergando Dominguez DELIVERY DATE 7-22-94 DRIVER'S SIGNATURE Sergando Dominguez

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

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 Antonio RiverPhone No. 575-266-2266

GENERATOR

NO. 342536

Operator No. _____
 Operators Name Phuon Arkhord
 Address 5301 LANGE DR.
 City, State, Zip Midland NM 88220
 Phone No. 575-987-5676

Permit/RRC No. _____
 Lease/Well Name & No. Amco Field 11 CTB
 County _____
 API No. 30-015-22975
 Rig Name & No. _____
 AFE/PO No. 110451103V

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)	<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&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 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. 575-274-2305

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 Preston K. K...Phone No. 575-240-2244

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342537

Operator No. _____

Permit/RRC No. _____

Operators Name Chavon Akhmedov

Lease/Well _____

Address 5301 Lamar DrName & No. Amco red 11 CBCity, State, Zip Chickadee, TX 79720County FordPhone No. 575-887-5670API No. 40-015-21975Rig Name & No. 20111038

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)	<u>Bell Dump</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

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 F. Lin K...DATE 7/24/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name Black River TruckingDriver's Name Servando DominguezAddress 25 W Nicholas RdPhone No. 575-240-9053Address Malaga NMTruck No. 149Phone No. 575-240-2309WHP 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.

7-24-24 Servando Dominguez7-24-24Servando Dominguez

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. [Signature]Site 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 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

DENIED

If denied, why?



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Ashe K. KiserPhone No. 575-268-2766

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342538

Operator No. _____

Operators Name Abouon Oilfield NMAddress 5301 Louns AveCity, State, Zip Childhood NM 99226Phone No. 575-887-5171

Permit/RRC No. _____

Lease/Well _____

Name & No. Ammon and ITCTB1County ChitilaAPI No. 30-015-27975

Rig Name & No. _____

AFE/PO No. ACUS ITAZU

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&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&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

1st Gauge

2nd Gauge

Received

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) 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 Chesterfield MO 63007Phone No. 575-297-5676

Permit/RRC No. _____

Lease/Well _____

Name & No. Almora Red 11 CTB 7County FloydAPI No. 30-015-22975

Rig Name & No. _____

AFE/PO No. DCLE 1103V

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&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&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 KiserDATE 7/17/24

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. Red Bluff

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

1st Gauge

2nd Gauge

Received

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 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 Carbon SteelAddress 5301 Louisa StCity, State, Zip Chesley, NM 87220Phone No. 575-297-5676

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco Prod 11 CTR 1County ChesleyAPI No. 34-015-77975

Rig Name & No. _____

AFE/PO No. 0105-77975

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&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&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

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 > 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge
2nd Gauge
Received

Feet

Inches

BS&W Received

Free Water

Total Received

BS&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 Chemon Carbon LLC
Address 5301 Jones Rd
City, State, Zip Carrollton, TX 74706
Phone No. 575-887-5676

Permit/RRC No. _____
Lease/Well Name & No. Amoco prod II CTR 1
County Texas
API No. 30-015-72475
Rig Name & No. _____
AFE/PO No. ACUS 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)	_____		
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 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 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

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

	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 Rebecca 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 CTB1City, State, Zip Midland NM 88220

County

Phone No. 575-887-5676API No. 30-05-22975

Rig Name & No. _____

AFE/PO No. 110451TORV

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 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 Debra M. ...DATE 6-22-24SIGNATURE Debra M. ...

TRANSPORTER

Transporter's

Name Black River TankingDriver's Name Boye BarneyAddress 25 N. ...

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 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

DENIED

If denied, why? _____

NAME (PRINT) Debra M. ...DATE 6-22-24TITLE ...SIGNATURE Debra 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 Induct II CTA 1
 County _____
 API No. 30-015-22925
 Rig Name & No. _____
 AFE/PO No. HCUSIT03X

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 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 KinerPhone 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 & No. _____

County _____

API No. _____

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)

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&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 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 > 50 micro roentgens? (Circle One) YES ☐ NO ☐

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

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

(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 well 114731

County Curry

API No. 0015 1038

Rig Name & No. 30-015-02975

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		<u>Belly Dump</u>

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 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 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 & No.

County

API No.

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)

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&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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

BS&W Received

From Water

BS&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 & No. _____

County _____

API No. _____

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)

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

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 > 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. _____

Operator No. _____
Operators Name Abayon Parkshad NM
Address 5301 - Longview
City, State, Zip Longview NM 88001
Phone No. 575 - 227 - 5774

Permit/RRC No. _____
Lease/Well Name & No. Amoco prod 11 CTB
County TCHV
API No. 3A-715-22075
Rig Name & No. _____
AFE/PO No. Acus 1102V

GENERATOR

NO. 342548

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	B-BARRELS <u>20</u> 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
Midland, TX
Phone No. 575-440-2309

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.

SHIPMENT DATE 7-23-24 DRIVER'S SIGNATURE Servando Dominguez DELIVERY DATE 7-23-24 DRIVER'S SIGNATURE Servando Dominguez

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 > 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 Barbara KiserPhone 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 & No.

County

API No.

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)

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&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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

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

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



(PLEASE PRINT)

REQUIRED INFORMATION

Name Paul KiserPhone No. 575-211-7200

GENERATOR

NO. 342550

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&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&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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

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

(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 & No. _____

AFE/PO No. 0045103X

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>Belly dump</u>

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

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. 42

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

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

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 > 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

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) 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 Aracelis ViscPhone No. 575-266-2266

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. **342555**

Operator No. _____
 Operators Name Chavez, Ruben NM
 Address 5301 Lamar Dr
 City, State, Zip Albuquerque NM 88220
 Phone No. 575-887-5020

Permit/RRC No. _____
 Lease/Well _____
 Name & No. Amco Ed 11 CTR 1
 County Tddy
 API No. 30-015-22975
 Rig Name & No. _____
 AFE/PO No. CRUSIT03K

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>Belly dump</u>

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 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 35 N. Alachua Rd
in Lago, Fla
 Phone No. 575-740-2809

Driver's Name Sergando Dominguez
 Phone No. 575-840-9052
 Truck No. 149
 WHP 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.

7-23-24 Sergando Dominguez 7-23-24 Sergando Dominguez
 SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 128

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	
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 Rebecka Kiser

Phone No. _____

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342556

Operator No. _____

Permit/RRC No. _____

Operators Name Chascon Petroleum LLC

Lease/Well

Address 5301 Lemay DrName & No. Arco Field II CTR 1County TexasCity, State, Zip Chickadee NM 88220API No. 30105-22975Phone No. 575-897-5070

Rig Name & No. _____

AFE/PO No. OCUS102V

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		

Belly dumpWASTE 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 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.Driver's Name Andres Rodriguez

Address _____

Phone No. _____

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

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. [Signature]

Site Name/

Red Bluff Facility / STF-065Phone No. 432-448-4239

Permit No. _____

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

DENIED

If denied, why? _____

NAME (PRINT) [Signature]DATE 10/23/24

TITLE _____

SIGNATURE [Signature]



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name John H. LeePhone No. 512-661-1461

GENERATOR

NO. **342557**

Operator No. _____

Operators Name Chevron Carbonate

Address _____

City, State, Zip La Grange, TX 78001Phone No. 512-887-7770

Permit/RRC No. _____

Lease/Well _____

Name & No. _____

County _____

API No. _____

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)

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&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 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

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&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



(PLEASE PRINT)

REQUIRED INFORMATION

Name

Phone No.

GENERATOR

NO. 342560

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name & No.

County

City, State, Zip

API No.

Phone No.

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)

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&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 "Bellydumps"

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

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

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 & No.

County

City, State, Zip

API No.

Phone No.

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)

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 (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 > 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 URBT Decker RicePhone No. 575 551 3070

GENERATOR

NO. **342563**

Operator No. _____

Operators Name Chevron ExplorationAddress 2301 James StCity, State, Zip Rockford, NM 88220Phone No. 575 551 3070

Permit/RRC No. _____

Lease/Well _____

Name & No. Adrian 100-1177131County SandozAPI No. 20115 12474Rig Name & No. 000517638

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&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 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 > 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 & No.

Address

County

City, State, Zip

API No.

Phone No.

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)

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&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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

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

(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&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 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 _____

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

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 Chlorine Lachar

Lease/Well

Address _____

Name & No. James A. Rice H-CTACity, State, Zip La Grange, TX 76052County La GrangePhone No. 254-532-5070API No. 6215 22478

Rig Name & No. _____

AFE/PO No. U-1302

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 _____ 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 Southern Empire LLCDriver's Name Chris RiceAddress BRT

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 _____

DRIVER'S SIGNATURE _____

DELIVERY DATE 7-74-74

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. TVSite 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 > 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 John DoePhone No. 546-226-2416

GENERATOR

NO. **342569**

Operator No. _____
 Operators Name Cherion Contracting LLC
 Address 2411 Jones Dr
 City, State, Zip Rockwall, TX 75087
 Phone No. 972-297-2975

Permit/RRC No. _____
 Lease/Well Name & No. Amco 2-21-11-0151
 County Rockwall
 API No. 211-2975
 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)

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 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 > 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 7/24/24TITLE [Signature]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.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name & No.

City, State, Zip

County

Phone No.

API No.

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)

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 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

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
5053 US Hwy 285, Orla, TX 79770

Phone No.

432-448-4239

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
2nd Gauge
Received

Feet

Inches

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 & No. _____

AFE/PO No. ACUS 1138

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

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 KianDATE 7-24-24

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 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

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 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&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&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'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

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

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

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&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&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 Tim BrumDATE 3/04/24

SIGNATURE _____

TRANSPORTER

Transporter's Name Rim & Sons TruckingAddress ELK

Phone No. _____

Driver's Name Brayon R220

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 Brayon R22DELIVERY DATE 7/24/24

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 > 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

Name Baron KereiPhone No. 361-716-7116

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342580

Operator No. _____

Operators Name Chevron Oilfield ServicesAddress 5301 Lomas DrCity, State, Zip Irving, TX 76039Phone No. 972-827-6776

Permit/RRC No. _____

Lease/Well Name & No. Amoco Prod 11 CTRCounty TarrantAPI No. 30-015-22475

Rig Name & No. _____

AFE/PO No. DCUG 1103Y

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&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&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 Flin KereiDATE 7/24/24

SIGNATURE _____

TRANSPORTER

Transporter's Name Black Bear Trucking

Address _____

Phone No. _____

Driver's Name Proctor 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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

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) Flin KereiDATE 7/24/24

TITLE _____

SIGNATURE _____



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arden KiserPhone No. 575-716-7716

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. **342581**

Operator No. _____

Operators Name Chevron ColdhardAddress 5301 Louisa DrCity, State, Zip Coldhard TX 79777Phone No. 575-297-5171

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco rd 11 CTX 1County FCHVAPI No. 30-115-7795Rig Name & No. 117AAFE/PO No. 005 LTO3V

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&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&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 100Malaga, NM 87263

Phone No. _____

Driver'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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

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?



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. 575-287-5471

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco Prod 11 CR 1County EddyAPI No. 31-015-77975

Rig Name & 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&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 > 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 Alvarado, Carlos
 Address 5301 LONGS DR
 City, State, Zip Irishwood NM 88320
 Phone No. 505-887-5670

Permit/RRC No. _____
 Lease/Well Name & No. Alvarado 1107B 1
 County McMURDO
 API No. 91-015-27975
 Rig Name & No. _____
 AFE/PO No. 005 1703V

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>Belly dump</u>

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 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 > 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. 575-276-2766

(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. Alvord Pool 11 cfb
 County Lea
 API No. 30 015-27975
 Rig Name & No. _____
 AFE/PO No. OCUS IT03

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)	<u>15 cly dump</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

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
Wagoner, OK
 Phone No. 575-2745-2308

Driver's Name Servando Dominguez
 Phone No. 575-840-7052
 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.

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

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	

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 Abeviou 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&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&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 J. J. KauerDATE 7/24/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name Rich & Sons TruckingAddress BRT

Phone No. _____

Driver's Name Bryan R. 20

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 R. 20DELIVERY DATE 7/24/24

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

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 > 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 Reshan KefciPhone No. 575-726-7266**R360**
ENVIRONMENTAL
SOLUTIONS

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATORNO. **342586**

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&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&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**DISPOSAL FACILITY****RECEIVING AREA**

IN: _____ OUT: _____

Name/No. _____

Site Name/

Permit No. _____

Address _____

Red Bluff Facility / STF-065
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

1st Gauge

2nd Gauge

Received

Feet

Inches

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

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 4:57:41 PM

18711 199-0192

308.R360-5160H



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Michael K. K...Phone No. 575-226-7266

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. **342587**

Operator No. _____

Operators Name Chavon Carlshod NNAddress 5301 Lanes drCity, State, Zip El Paso TX 79976Phone No. 575 887 5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco prod 11 CRCounty TexasAPI No. 31-115-7275

Rig Name & No. _____

AFE/PO No. CRS 17034

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 (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:

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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 Southern Express LLCAddress P.O. Box

Phone No. _____

Driver's Name Lucas R...

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

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

donc@nc
(877) 499-0492donc@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

Company Man Contact Information

Name Preston KeiserPhone No. 351-776-2211

GENERATOR

NO. 342588

Operator No. _____

Operators Name Chavon 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&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

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 75 N. Airbath RdMalaga NMPhone No. 575-745-2309Driver's Name Servando DominguezPhone No. 575-840-9088Truck No. 149WHP No. 627.5

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

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

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information

Company Man Contact Information

Name Dustin K. K...

Phone No. 575 226-226

GENERATOR

NO. **342589**

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&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&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

QUANTITY

B-BARRELS

Y-YARDS

E-EACH

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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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

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?

SIGNATURE



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information

Name Resha K...

Phone No. 575-221-2210

GENERATOR

NO. 342591

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&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&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 > 50 micro roentgens? (Circle One) YES NO
NORM (mR/hr)

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

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 Arash Kerefi

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Arash Kerefi

(PLEASE PRINT)

REQUIRED INFORMATION

Phone No. 575-766-7711

GENERATOR

NO. **342593**

Operator No.

Permit/RRC No.

Operators Name

Lease/Well

Address

Name & No.

City, State, Zip

County

Phone No.

API No.

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)

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

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. 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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge
2nd Gauge
Received

Feet

Inches

BS&W Received

Free Water

Total Received

BS&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 Chesley Petroleum IncAddress 5301 Lombard StCity, State, Zip Corpus Christi TX 78401Phone No. 575-244-2244

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco Prod 11038 1County FrioAPI No. 34-015-22475

Rig Name & No. _____

AFE/PO No. 0305 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

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 HillsAddress 200 N. 11th StPhone No. 605-482-63Driver's Name Joe L. Jones

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

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	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. 515-706-7211

(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 & No. _____

AFE/PO No. 0015 IT 03X

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&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&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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

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

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 Diego KaiserPhone No. 215 766 7266

GENERATOR

NO. **342601**

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&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&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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

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



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name: James LuchyPhone 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 & No. _____

County _____

API No. 30-015-22975

Rig Name & No. _____

AFE/PO No. UCUS 1303X

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 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 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)

☐ 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 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 / NM1-006
Address 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 NOIf 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

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 & No. _____

Address _____

County _____

City, State, Zip _____

API No. _____

Phone No. _____

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)

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		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&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 _____

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 > 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&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&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 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 6-22-24

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. ...Address ...**Halfway Facility / NM1-006****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/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

donc@northstarforms.com (877)499-0492

Released to Imaging: 8/14/2026 4:57:41 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 & 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	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&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 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 > 50 micro roentgens? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BLS 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 Main 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. 324-597-5676Location of Origin 45001 HICKSLease/Well 30-015-22775

Name & No. _____

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. 7-05172 X

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 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&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below threshold limits for toxicity (TCDF), 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 Jack Lee Trucking

Address _____

Phone No. _____

Transporter Ticket # _____

Driver's Name James Kizer

Print Name _____

Phone No. _____

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. 28

Site Name/

Permit No.

Address

Halfway Facility / NM1-0066501 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Phone No.

575-392-6368

NORM READINGS TAKEN? (Circle One)

YES NO

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

YES NO

PASS THE PAINT FILTER TEST? (Circle One)

YES NO

TANK BOTTOMS

1st Gauge	Feet	Inches
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
Lease/WellName & No. 30-015-22195

County _____

API No. _____

Rig Name & No. 20051705X

AFE/PO No. _____

Generator Name Chloron Carlsbad

Address _____

City, State, Zip Carlsbad, NM 88220Phone No. 505 445 1111

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 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&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 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 Peaston & Co

DATE _____

SIGNATURE _____

TRANSPORTER

Transporter's
Name Black Horse Trucking

Address _____

Phone No. _____

Transporter Ticket # _____

Driver's Name Raymond Dero

Print Name _____

Phone No. _____

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 7/17/14

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 08

Site 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 > 50 micro roentgens? (Circle One)

YES

NO

PASS THE PAINT FILTER TEST? (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

DENIED

If denied, why?

NAME (PRINT) _____

DATE _____

TITLE _____

SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Patrick K. Jones

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 & No. _____

AFE/PO No. 604513638

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 E&P WASTE STREAMS
Oil Based Cuttings	Washout Water (Non-Injectable)	<u>5.000</u> <u>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&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 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 Doe

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.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

If YES, was reading > 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

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 & No. _____

AFE/PO No. UCUS1 J03X

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 E&P WASTE STREAMS					
Oil Based Cuttings	_____	Washout Water (Non-Injectable)		Belly Dump					
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&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 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. 28

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

	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

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 V. L. L.Phone No. 505-229-25

GENERATOR

NO. HW-692931

Generator Manifest # _____

Generator Name Arvin Coal bedAddress 5301 Hobbs HwyCity, State, Zip Carlsbad NM 88220Phone No. 505-934-376

Location of Origin

Lease/Well

Name & No. AMOCO Red HCB

County

API No. 0 000 229-25

Rig Name & No.

AFE/PO No. 451-1032

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

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)

INTERNAL USE ONLY

Truck Washout (exempt waste)

YES

NO

OTHER EXEMPT E&P WASTE STREAMS

Belly Acid

TOP SOIL & CALICHE SALES

QUANTITY

TOP SOIL

CALICHE

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

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

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 88220

Phone No.

575-392-6368

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 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&W/BBLs 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



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&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		
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&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 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)☐ 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

(PRINT) AUTHORIZED AGENTS SIGNATURE

7-22-24

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Black River Trucking
Address 25 N Nicholas Rd
Phone No. 575-445-9253
Transporter Ticket # 237369

Driver's Name Seawards Dominguez
Print Name _____
Phone No. _____
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

SHIPMENT DATE

Seawards Dominguez

DRIVER'S SIGNATURE

7-22-24

DELIVERY DATE

Seawards Dominguez

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

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 ☐

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

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. HW692975

Generator Manifest # Chevron Carlsbad
 Generator Name 5301 Lomas Dr.
 Address Carlsbad N.M. 88226
 City, State, Zip 575 887 5676
 Phone No. _____

Location of Origin
 Lease/Well Amoco Fed 11 C/B 1
 Name & No. 30-015-22975
 County API No.
 Rig Name & No. OCU51503X
 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 E&P WASTE STREAMS	
Oil Based Muds	_____	Washout Water (Non-Injectable)	_____	<u>Belly Dump</u>	
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	_____	INTERNAL USE ONLY		TOP SOIL & CALICHE SALES	
Tank Bottoms	_____	Truck Washout (exempt waste)	YES _____ NO _____	QUANTITY	TOP SOIL CALICHE
E&P Contaminated Soil	_____				
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 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 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

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 78Site 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 ☒

If YES, was reading > 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&W/BBLS Received

BS&W (%)

Free Water

Total Received

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

ACCEPTED 7/22DENIED 7/22

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



(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
Name & No. Amoco East 11 ch 1Address CH 15060 N. Hwy. 100

County

City, State, Zip 575 817 645API No. 10-015-2075Phone No. 575 817 645Rig Name & No. Amoco 517 015 XAFE/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 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&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 backDISPOSAL 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 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 > 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&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&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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge
2nd Gauge
Received

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 Arshad K. BaniPhone No. 575-246-7766

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. 342420

Operator No. _____

Operators Name Chevron Carkshord NM

Address _____

City, State, Zip _____

Phone No. 575-887-5610

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco red 11 elb 1County TexasAPI No. 30-015-27475

Rig Name & No. _____

AFE/PO No. Oris 1103V

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&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&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

200 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. 627.5

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 > 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 [Signature]TITLE [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 11216County TarrantAPI No. 42-05-2175Rig Name & No. 11037

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&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 Elm KelsonDATE 7/25/24SIGNATURE Andres Rodriguez

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. R-360

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

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&W Received

Free Water

Total Received

BS&W (%)

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 & No. _____

AFE/PO No. 13000 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 (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 > 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 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 & No.

County

API No.

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)

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&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-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

2nd Gauge

Received

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



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 & No. _____

County _____

API No. _____

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)

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

B-BARRELS

(25) 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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

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



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 & No.

County

API No.

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)

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&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

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT:

Name/No.

28

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

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 Aracelis K. RocaPhone No. 979-270-2711

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342430

Operator No. _____

Operators Name Chevron Oilfield NMAddress 5301 - Jones DrCity, State, Zip Orlshod NM 88220Phone No. 575-887-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Angero pad 11 off wellCounty El PasoAPI No. 30-015-22475

Rig Name & No. _____

AFE/PO No. DEUS ITZY

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&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&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 RocaDATE 7/25/24SIGNATURE Aracelis K. Roca

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 07/25/24DRIVER'S SIGNATURE Andres Rodriguez

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

Feet

Inches

1st Gauge _____

2nd Gauge _____

Received _____

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) 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 & No. _____

AFE/PO No. OCUS 1703V

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>Belly Dump</u>

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

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 > 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 Donna K. SosaPhone No. 515-266-2266

(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&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)

Drilling - _____
 Completion - _____
 Production - _____
 Gathering - _____
 Other - ISLL DUNE

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 (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 Block River TruckingAddress 25 Nicholas RdMalaga, NMPhone No. 575-0745-2309Driver's Name Donna K. SosaPhone No. 575-840-9045Truck No. 140WHP No. 1127.5

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

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 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 110167County El PasoAPI No. 8-015-22975Rig Name & No. 1005 W03V

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&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&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

1st Gauge

Feet

Inches

2nd Gauge

Received

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 Pamela K. KiserPhone No. 575-276-2260

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. 342438

Operator No. _____

Permit/RRC No. _____

Lease/Well _____

Operators Name Ammon

Name & No. _____

Address 5301 LongviewCounty LAKE

API No. _____

City, State, Zip CHICKEN, NM 88470

Rig Name & No. _____

Phone No. 575-287-5670AFE/PO No. 1006 11018

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>Selly Dump</u>

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 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 KiserDATE 7/25/24

SIGNATURE _____

TRANSPORTER

Transporter's Name Red Bluff Soil's TruckingDriver's Name Bryan KiserAddress PRT

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 7/25/24DRIVER'S SIGNATURE Bryan Kiser

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 4015Site 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				
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 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 & No.

County

API No.

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)

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&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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

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 Dreslon KiserPhone No. 575-276-2711

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342402

Operator No. _____

Operators Name Chavon PhilbinAddress 5701 Lomas DrCity, State, Zip Carrollton, TX 75006Phone No. 575-276-2711

Permit/RRC No. _____

Lease/Well _____

Name & No. Arroyo 11 01bCounty TarrantAPI No. 321 115-27075

Rig Name & No. _____

AFE/PO No. 0115 11 03V

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

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 W. Highway 111Phone No. 817-276-2711Driver's Name Tool Kerner

Phone No. _____

Truck No. 69WHP No. 21

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 > 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 & No.

County

API No.

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)

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&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-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

Feet

Inches

1st Gauge

2nd Gauge

Received

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

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Prash KherPhone No. 775-216-2266

GENERATOR

NO. **342403**

Operator No. _____

Operators Name Alcivon Portland NHAddress 5301 12th StCity, State, Zip Danvers NH 02770Phone No. 975-927-567

Permit/RRC No. _____

Lease/Well _____

Name & No. Amco port 11 dth - 1County FitchAPI No. 3A-075-7775

Rig Name & 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 _____

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&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 Elko's son's TruckingAddress 1617

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

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 > 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

(PLEASE PRINT)

REQUIRED INFORMATION

Name: Donna 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 1County TarrantCity, State, Zip Carlsbad, NM 88220API No. 30-015-7275Phone No. 575-822-5072Rig Name & No. Acus 11024

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&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. #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 _____

DRIVER'S SIGNATURE _____

DELIVERY DATE 7-75-24

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 20

Site Name/

Red Bluff Facility / STF-065Phone No. 432-448-4239

Permit No. _____

Address _____

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 YesDENIED No

If denied, why? _____

NAME (PRINT) _____

DATE _____

TITLE _____

SIGNATURE _____



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Reuben KarsenPhone No. 75-216-2716

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342598

Operator No. _____
 Operators Name Chelion Petroleum
 Address 5301 Loring
 City, State, Zip Irishard, NM 87270
 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 LITZ

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 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 Pico & 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 0 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.

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&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 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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge
2nd Gauge
Received

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 Pinshu K. K.Phone No. 575-774-7766

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342600

Operator No. _____ Permit/RRC No. _____
 Operators Name Chickson, Carlshon Lease/Well Name & No. Ammer med 41 0751
 Address 5301 Jones dr County Texas
 City, State, Zip Uvalde TX 78778 API No. 31-013-77975
 Phone No. 575-227-5470 Rig Name & No. ONE ITAN
 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&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)

Elton Barrera 7/1/24 [Signature]
 (PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name Black River Trucking Driver's Name Bryce Barney
 Address 700 N. 1st St. Malaga NM Phone No. _____
88263 Truck No. 145
 Phone 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.

7/25/24 B. B. 7/25/24 [Signature]
 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			Free Water	
Received			Total Received	

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

ACCEPTED

DENIED

If denied, why?

W. B. S. 7/25 [Signature]
 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 & No. _____

AFE/PO No. 0015 ITC3V

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&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&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. 432-448-4239NORM 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&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) MISSADATE 7/26

TITLE _____

SIGNATURE [Signature]



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Preston Kerser

Phone No. 575-266-2266

GENERATOR

NO. 342464

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&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&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 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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

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

(PLEASE PRINT)

REQUIRED INFORMATION

Name: Robert KaiserPhone No: 512-266-2766

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. Ampro pad 11 oth 1County TellerAPI No. 30-015-22475

Rig Name & No. _____

AFE/PO No. 0005 0038

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>Beilv Dome</u>

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 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 Rota

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 Rota

DELIVERY DATE _____

DRIVER'S 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. 432-448-4239NORM 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 1120DENIED 1120If denied, why? 1120



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 Lamps RdCity, State, Zip Harlingen, NM 88720Phone No. 575-287-5470

Permit/RRC No. _____

Lease/Well _____

Name & No. Amco Prod 11 cll-2County El PasoAPI No. 32-015-77975Rig Name & No. DLAAFE/PO No. 0105 1103V

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&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)

Ball Dump

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)

(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 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

Free Water

Total Received

BS&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 Kiser

Phone 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 Curry
 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 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
 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 > 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: 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. 575-887-5670

Permit/RRC No. _____
 Lease/Well Name & No. Anger 1116161
 County TCHV
 API No. 30-015-2275
 Rig Name & No. _____
 AFE/PO No. 005 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)	<u>Bellv Dome</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

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. 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	

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

ACCEPTED

DENIED

If denied, why? AL



NE-1112850

TEXAS-NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Arash KariPhone No. 575-211-2767

GENERATOR

NO. 342444

Operator No. _____

Permit/RRC No. _____

Operators Name Chokman

Lease/Well

Address 5201 Longs rdName & No. Amoco Red 11 wellCounty FALLCity, State, Zip Chillicothe NM 88210API No. 37-015-2245Phone No. 575-847-5475Rig Name & No. Oris 1103V

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&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 BrickerDATE 7/26/24

SIGNATURE _____

TRANSPORTER

Transporter's Name

Address Black Horse TruckingDriver's Name Servando DominguezPhone No. 575-845-4053Phone No. 575-445-2309Truck 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.

SHIPMENT DATE 7-26-24DRIVER'S SIGNATURE Servando DominguezDELIVERY DATE 7-26-24DRIVER'S SIGNATURE Servando Dominguez

TRUCK TIME STAMP

IN: _____

OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site Name/

Permit No. Red Bluff Facility / STF-065Phone No. 432-448-4239Address 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

DENIED

If denied, why? _____

NAME (PRINT) Servando DominguezDATE 7/26/24TITLE DriverSIGNATURE Servando Dominguez



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 & No. _____

AFE/PO No. 0005 110 KV

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)	<u>Belly Dump</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 (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 > 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

(PLEASE PRINT)

REQUIRED INFORMATION

Name Paula K. K...Phone No. 512-761-7211

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 11 dlt 1County Ft. WorthAPI No. 32-019-22975Rig Name & No. Chas 17021

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&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 Dune

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 (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...DATE 7/24/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name Black River TruckingAddress 25 N. Highway RdHighway AvePhone No. 575-2245-2309Driver's Name Servando DominguezPhone No. 575-845-9653Truck 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 Servando DominguezDELIVERY DATE 7-26-24DRIVER'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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

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) [Signature]DATE 7/24/24TITLE [Signature]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 Pinckney W. SmithPhone No. 575-710-7710

GENERATOR

NO. 342442

Operator No. _____

Permit/RRC No. _____

Operators Name Chevron

Lease/Well

Address 5201 LomasName & No. Amoco Prod Well 1City, State, Zip Colebrook NM 88720County ElddyPhone No. 575-887-507API No. 42-015-72475Rig Name & No. Cross 1703X

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&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 7/26/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name BRTDriver's Name Andres RodriguezAddress Alamo River Trucking

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 07/26/24DRIVER'S SIGNATURE Andres Rodriguez

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28Site Name/ Red Bluff Facility / STF-065Phone No. 432-448-4239Permit No. R-360Address 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

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 [Signature]DENIED [Signature]If denied, why? [Signature]

NAME (PRINT)

DATE

TITLE

SIGNATURE



(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. Amergen 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&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
 Phone No. Malaga NM 87043

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

1st Gauge		
2nd Gauge		
3rd Gauge		

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

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 K. K...Phone 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 110161County EddyCity, State, Zip Irishbnd NM 87270API No. 30-115-22975Phone No. 575-827-5370

Rig Name & No. _____

AFE/PO No. Chas 17038

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>15000 DOME</u>

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 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 K...DATE 7/26/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name Rico & Sons TruckingDriver's Name Bryan R...Address BKT

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 R...

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

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 > 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 7/26

TITLE _____

SIGNATURE [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 Chevron Petroleum NMAddress 5301 Lomas RdCity, State, Zip Corpus Christi NM 79420Phone No. 575-887-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco red 11061County EdwardsAPI No. 32-015-22975Rig Name & No. Orion 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 _____

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&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

28 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. B. B.DATE 7/26/24

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 _____

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

Feet

Inches

1st Gauge _____

2nd Gauge _____

Received _____

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) Arden K. B. B.DATE 7/26/24TITLE ArdenSIGNATURE Arden



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name: Red Bull KerosPhone No: 575-226-2210

GENERATOR

NO. 342439

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&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&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

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 Proctor KaysPhone No. 375-716 2766

GENERATOR

NO. 342425

Operator No. _____

Operators Name Chevron Carlisbad NMAddress 570-10th StCity, State, Zip Carlisbad NM 80270Phone No. 575-887-5670

Permit/RRC No. _____

Lease/Well Name & No. Amoco prod well 1County TCHVAPI No. 30-015-7775

Rig Name & No. _____

AFE/PO No. 0005 103V

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&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&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 Elin KaysDATE 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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

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? [Signature]NAME (PRINT) [Signature]DATE 7/26/24TITLE [Signature]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 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 & No.

County

API No.

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)

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)

Selly Dump

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)

(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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

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

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name: Poslan KiserPhone No. 575-216-2216

GENERATOR

NO. 342423

Operator No. _____
 Operators Name Chelton Pailford NM
 Address 5301 LOMAS BL
 City, State, Zip Chilobad NM 88220
 Phone No. 575-881-9670

Permit/RRC No. _____
 Lease/Well Name & No. Amoco prod 11 oil
 County Tddy
 API No. 30-019 22475
 Rig Name & No. _____
 AFE/PO No. UCUS IT 034

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)	<u>Belly Dump</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

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 25 N. Nicholas Rd
 Phone No. 575-745-1111

Driver's Name Servando Dominguez
 Phone No. 575-840-9052
 Truck No. 1410
 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

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

Company Man Contact Information

(PLEASE PRINT)

REQUIRED INFORMATION

Name Prashant K. K.Phone No. 575-766-2244

GENERATOR

NO. 342445

Operator No. _____

Operators Name ChavronAddress 5301 LomasCity, State, Zip Midland TX 79701Phone No. 575-881-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco prod 11 dlt 1County MidlandAPI No. 32-015-22475

Rig Name & No. _____

AFE/PO No. 0015 L103X

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		
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&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 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 Prashant K. K.DATE 7/26/24SIGNATURE Prashant K. K.

TRANSPORTER

Transporter's Name Rico & Son's TruckingAddress 1527

Phone No. _____

Driver's Name Alonso 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 Alonso RicoDELIVERY DATE 7-26-24DRIVER'S SIGNATURE Alonso Rico

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 > 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) Prashant K. K.DATE 7/26/24TITLE SignatureSIGNATURE Prashant K. K.



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 cbb 7
 County Leah
 API No. 30-019-22475
 Rig Name & No. _____
 AFE/PO No. 0018 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)	<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&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)

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: Arash KaramiPhone No. 515-276-2766

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342431

Operator No. _____	Permit/RRC No. _____
Operators Name <u>Cardinal Chevron Co.</u>	Lease/Well <u>Amoco Prod 11th 1</u>
Address <u>5301 Tompkins Dr</u>	Name & No. _____
City, State, Zip <u>Worth TX 76090</u>	County <u>Tarrant</u>
Phone No. <u>575-487-5670</u>	API No. <u>30-015-27975</u>
	Rig Name & No. _____
	AFE/PO No. <u>UCUS 1103X</u>

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)	<u>Belly Dump</u>
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 <u>Southern Empire LLC</u>	Driver's Name <u>Luis Riera</u>
Address <u>BRT</u>	Phone No. _____
Phone No. _____	Truck No. <u>#3</u>
	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. <u>Red Bluff Facility / STF-065</u>	Phone No. <u>432-448-4239</u>
Address <u>5053 US Hwy 285, Orla, TX 79770</u>	

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	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐ If denied, why? _____
NAME (PRINT) Suzanne DATE 7/19/24 TITLE Arash SIGNATURE Arash



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name: Ashton K. FordPhone No: 755-311-7111

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342448

Operator No. _____
 Operators Name Chavon
 Address 5301 Thomas Dr
 City, State, Zip Dallas TX 75270
 Phone No. 575-887-5670

Permit/RRC No. _____
 Lease/Well Name & No. Amoco Red Hill
 County Ford
 API No. 32-115-27475
 Rig Name & No. _____
 AFE/PO No. 10051103X

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>Belly Dump</u>

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 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 7/26/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name R.M. & Sons Trucking
 Address 5817
 Phone No. _____

Driver's Name Bryan Bero
 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 Bero

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 [Signature]DENIED [Signature]If denied, why? [Signature]

(NAME (PRINT))

DATE

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

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

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)

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&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

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

1st Gauge

2nd Gauge

Received

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

donc@northstarforms.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 Andres K. RodriguezPhone No. 575-266-2766

GENERATOR

NO. 342457

Operator No. _____
 Operators Name Chevron
 Address 5201 Lomas Rd
 City, State, Zip Corpus Christi TX 78400
 Phone No. 575-881-5570

Permit/RRC No. _____
 Lease/Well Name & No. Amoco Prod 11416-1
 County Texas
 API No. 3015-015-77415
 Rig Name & No. 11/A
 AFE/PO No. 0005 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)	
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 (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 BRT
 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

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



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name: Probi KiserPhone No: 575-266-7266

(PLEASE PRINT)

REQUIRED INFORMATION

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. Ammon and HoltCounty EctorAPI No. 3015-015-22475Rig Name & No. 011AFE/PO No. 0005 L1038

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)	<u>Belly Dump</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 (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 RDPhone No. Malaga NM 88263Driver'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. 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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

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

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name: Archie K. KingPhone No.: 575-411-7266

GENERATOR

NO. **342455**

Operator No. _____

Operators Name ChevronAddress 5301 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 & No. _____

AFE/PO No. 0005 1.03X

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>Cell Dump</u>

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 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 Tim KorreroDATE 7/26/24

SIGNATURE _____

TRANSPORTER

Transporter's Name Black Olive TruckingAddress 25 N. Nicholas RdCity, State, Zip Las Alamos NMPhone No. 575-945-2309Driver's Name Servando DominguezPhone No. 575-840-9033Truck 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 > 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)) Tim KorreroDATE 7/26/24TITLE OwnerSIGNATURE [Signature]



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 Compad
 City, State, Zip Harlsbad NM 87020
 Phone No. 575-881-567

Permit/RRC No. _____
 Lease/Well Name & No. Amoco Red 11 elb
 County Blair
 API No. 30-019-29475
 Rig Name & No. _____
 AFE/PO No. 1805 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)		
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 (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 > 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 RdCity, State, Zip Carlston NW 88220
Phone No. 575-887-5710

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco Red 11 c/h 7County LevyAPI No. 30-015-22475

Rig Name & No. _____

AFE/PO No. 0005 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)	<u>Belly Dump</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

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 Tim FornerDATE 7/26/24

SIGNATURE _____

TRANSPORTER

Transporter's Name Red & Sons Trucking - 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 7/26/24

DRIVER'S SIGNATURE _____

DELIVERY DATE 7/26/24

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. 432-448-4239

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) S29DATE 7/26/24TITLE AgentSIGNATURE Agent



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name: Joshua KiserPhone No: 515-246-2246

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342453

Operator No. _____
 Operators Name Chelvan
 Address 5301 Lanes Rd
 City, State, Zip Wichita Falls, TX 76790
 Phone No. 515-447-5672

Permit/RRC No. _____
 Lease/Well Name & No. Amco Prod Well
 County Tarrant
 API No. 30-015-22475
 Rig Name & No. _____
 AFE/PO No. 010511038

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)	<u>Belly Dump</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

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. _____
 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

	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 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 & No.

County

API No.

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)

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 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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

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

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Robin KiserPhone No. 575-246-2266

GENERATOR

NO. 342474

Operator No. _____

Operators Name Chevron
Address 5301 Lomas drCity, State, Zip Corpus Christi TX 78402
Phone No. 575-447-5870

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco prod 11 cfb 7County FalchAPI No. 3015-015-22475

Rig Name & No. _____

AFE/PO No. 0015-1103X

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)	
Gas Plant Waste		<u>Bellv Dump</u>

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)(PRINT) AUTHORIZED AGENT'S SIGNATURE Elin BarriereDATE 7/28/24SIGNATURE [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 > 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 7/28/24TITLE DriverSIGNATURE [Signature]



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Ricardo K. RicciPhone No. 214-766-2266

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342470

Operator No. _____

Operators Name
AddressChevron
5301 Lombas RdCity, State, Zip
Phone No.Irving, TX 76220
979-887-5670Permit/RRC No.
Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

Amoco Prod 11 dlb 1
Tarrant
305-015 22475
N/A
0015 1J03X

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>Belly Dump</u>

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 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
AddressSouthern Empire LLC
BRT

Phone No. _____

Driver's Name

Phone No.

Truck No.

WHP No.

Lu's Rico
#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

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge
2nd Gauge
Received

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

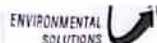
If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



(PLEASE PRINT)

REQUIRED INFORMATION

Phone No. 575-211-2766

GENERATOR		NO. 342475
Operator No.		Permit/RRC No.
Operators Name	Chevron	Lease/Well
Address	5301 Lomas dr	Name & No.
City, State, Zip	Northland NM 88270	County
Phone No.	575-887-6670	API No.
		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)		
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 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 Knicker 7/28/24

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER	
Transporter's Name	Rico & Sons Trucking
Address	
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		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 > 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr)

TANK BOTTOMS			
1st Gauge	Feet	Inches	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 KirtanPhone 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 wellCounty EdgarAPI No. 3015-015-22975

Rig Name & No. _____

AFE/PO No. CRIS 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)	<u>Belly Pump</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

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 Trucking

Address _____

Phone No. _____

Driver's Name Bryan Razo

Phone No. _____

Truck No. #111

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 > 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 _____



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 cfb
 County Eddy
 API No. 3016-019-22975
 Rig Name & No. Orus 1103V
 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&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)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Black River Trucking
 Address 2501 N. Lomas 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

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, 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

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 Acosta KernaPhone No. 575-216-7216

GENERATOR

NO. **342451**

Operator No. _____
 Operators Name Chevron
 Address 7301 Lomas Rd
 City, State, Zip Overland NM 87020
 Phone No. 575-887-5671

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&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&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 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

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: Debra K. KoonPhone 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 & 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&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 John KoonDATE 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. 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	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? [Signature]NAME (PRINT) [Signature]DATE 7/26TITLE [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 Lamas rdCity, State, Zip Chilchad NM 88270Phone No. 575-887-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco red cth. 1County El PasoAPI No. 50-015-27475

Rig Name & No. _____

AFE/PO No. 0019 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>Sell to Dump</u>

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 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. 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 > 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 7/27TITLE [Signature]SIGNATURE [Signature]



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Dreson 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 & No. _____

AFE/PO No. OCUS 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)	<u>Belly Dump</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

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 ChevronAddress 5301 Lomas RdCity, State, Zip Carlsbad NM 88220Phone No. 575-887-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco red 11 clb 7County EdmAPI No. 30-015-27975

Rig Name & No. _____

AFE/PO No. MCUS 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		<u>Self Dump</u>

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)(PRINT) AUTHORIZED AGENTS SIGNATURE Elin K. BuergerDATE 7/7/24SIGNATURE [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 7/7/24

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

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

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 & No.

County

API No.

Rig Name & No.

AFE/PO No.

Amoco red 11 clb
Ford
30-015-22475
Oris 1J03X

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

Based Muds
Based Cuttings
Water Based Muds
Water Based Cuttings
Produced Formation Solids
Sink Bottoms
B&P Contaminated Soil
As 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)

Scrap Dump

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

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. 28Site Name/
Permit No.

Address

Red Bluff Facility / STF-065
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

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 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 El PasoAPI No. 30-015-17975Rig Name & No. Orus 1J03X

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&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)

Sally Dump

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

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. 575-241-2300Driver's Name Sevando DominguezPhone No. 575-8510-9053Truck 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.

SHIPMENT DATE 7-27-24DRIVER'S SIGNATURE Sevando DominguezDELIVERY DATE 7-27-24DRIVER'S SIGNATURE Sevando Dominguez

TRUCK TIME STAMP

IN: _____

OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site 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 > 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? [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 ChevronAddress 5301 Lomas RdCity, State, Zip Garland TX 75040Phone No. 575-887-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco Fed 11 c/b 1County FordAPI No. 30-015-27975

Rig Name & No. _____

AFE/PO No. 008 W03X

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)	<u>Belly Dump</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 (TCCLP), 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 KariereDATE 7/27/24SIGNATURE [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 [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 > 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 7/27/24TITLE [Signature]SIGNATURE [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

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

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)

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&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)Elin Barriere
(PRINT) AUTHORIZED AGENTS SIGNATURE7/28/24
DATE[Signature]
SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Phone No.

Truck No.

WHP No.

Andres Rodriguez1476275

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.

432-448-4239

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

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 1703 X

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)	<u>Belly Dump</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

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 - BRT

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 > 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) SJZ 81DATE 7/27/24TITLE AsstSIGNATURE [Signature]



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Persha KerePhone No. 515-266-2266

GENERATOR

NO. 342481

Operator No. _____

Operators Name ChevronAddress 5301 Lomas AveCity, State, Zip Chattahoochee NM 88220Phone No. 575-887-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco red 11 clb 1County Edgar

API No. _____

Rig Name & No. 305-015-22475AFE/PO No. UCUS IJO 38

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&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&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 Elin RomeroDATE 7/7/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name

Address

Phone No.

Block River Trucking
25 Nicholas Rd
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.

7-27-24 SHIPMENT DATEServando Dominguez DRIVER'S SIGNATURE7-27-24 DELIVERY DATEServando Dominguez DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____

OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. [Signature]

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

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) [Signature]DATE 7/7/24TITLE [Signature]SIGNATURE [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 Lomax RdCity, State, Zip Carlsbad NM 88220Phone No. 575-887-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco Red 11 clbCounty EdmAPI No. 3015-015-27475Rig Name & No. Orus 1105X

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&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&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 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/

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&W Received

Free Water

Total Received

BS&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&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&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 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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

Feet

Inches

1st Gauge _____

2nd Gauge _____

Received _____

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? 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. 3015-015-92475

Rig Name & No. _____

AFE/PO No. UCUS 1403X

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)	<u>Belly Dump</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

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 Isneric

(PRINT) AUTHORIZED AGENTS SIGNATURE

7/26/24

DATE

BDD

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Black River Trucking

Driver's Name

Phone No.

Truck No.

WHP No.

Bryce Bracey145

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

BDD

DRIVER'S SIGNATURE

7/27/24

DELIVERY DATE

BDD

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____

OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Site Name/

Permit No.

Address

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

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

2nd Gauge

Received

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

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name: Rosb KeiselPhone No: 515-266 2266

GENERATOR

NO. 342467

Operator No. _____

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Carlsbad NM 88220Phone No. 515-887-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco red 11-16County EdmAPI No. 3015-015-22415Rig Name & No. OCUS 1203X

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&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 BaueraDATE 7/76/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name Black River TruckingAddress 25 Alcala RdPhone No. 657-711-3739Driver's Name Ruben BustillosPhone No. 69Truck 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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge
2nd Gauge
Received

Feet

Inches

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 7/26TITLE [Signature]SIGNATURE [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. Acus 1703X

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&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&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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

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) 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 rd 11-46-46-1County EddyAPI No. 3015-015-2475

Rig Name & No. _____

AFE/PO No. OCUS 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)	<u>Elin Barnera</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

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 > 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) M. J. SosaDATE 11/27

TITLE _____

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 88720Phone No. 575-881-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoro Prod 11 clb 1County EddyAPI No. 3015-015-22975

Rig Name & No. _____

AFE/PO No. CRUS 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)	<u>Belly Dump</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

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 Bezo

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. 20

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

1st Gauge

Feet

Inches

2nd Gauge

Received

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 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 & No. _____

AFE/PO No. OCUS 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)	<u>Bell Dump</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

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. H14

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 > 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

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

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)

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&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

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.

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

Feet

Inches

1st Gauge

2nd Gauge

Received

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

(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&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&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

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 7/20/24SIGNATURE 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 DATEServando Dominguez DRIVER'S SIGNATURE7-27-24 DELIVERY DATEServando Dominguez DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____

OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28Site Name/ Permit No. Red Bluff Facility /STF-065- R360Address 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

1st Gauge

Feet

Inches

2nd Gauge

Received

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) SerranoDATE 7/27/24TITLE AnnSIGNATURE Ann



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 clbCounty EdmAPI No. 3015-015-22975

Rig Name & No. _____

AFE/PO No. 1015 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)	
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 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 Kiser

(PRINT) AUTHORIZED AGENTS SIGNATURE

7/28/24

DATE

[Signature]

SIGNATURE

TRANSPORTER

Transporter's Name Black River TruckingAddress 25 Alameda RoadPhone 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. 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 > 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 CherionAddress 5301 LomasCity, State, Zip Orlando NM 88920Phone No. 575-887-5870

Permit/RRC No. _____

Lease/Well _____

Name & No. Amco Prod-11 c/b-1County TADUAPI No. 3015-015-27415Rig Name & No. Orus 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		<u>Belly Dump</u>

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)

(PRINT) AUTHORIZED AGENTS SIGNATURE Elin RullersDATE 7/24/24SIGNATURE [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 7-27-24DRIVER'S SIGNATURE [Signature]DELIVERY DATE 7-27-24

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 > 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 Arson KeiserPhone No. 575-266-2266

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342479

Operator No. _____

Operators Name ChevronAddress 5301 IamasCity, State, Zip Chisholm NM 88270Phone No. 575 887-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco prod 11 cfb 2County Edmi

API No. _____

Rig Name & No. 345-015-22475AFE/PO No. OCUS 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)	<u>Bells 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&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 Elm BorreroDATE 7/17/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name Prim & Sons Trucking - BRT

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 [Signature]DELIVERY DATE 7-27-24

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 20

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

1st Gauge

Feet

Inches

2nd Gauge

Received

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? [Signature]NAME (PRINT) MalissaDATE 7/27

TITLE _____

SIGNATURE [Signature]



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Prosser KrenPhone No. 575-266-2266

GENERATOR

NO. 342471

Operator No. _____

Operators Name ChevronAddress 5301 Lomas drCity, State, Zip Carlsbad NM 88270Phone No. 575-887-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco red 11 cthCounty + dalyAPI No. 3015-015-22975

Rig Name & No. _____

AFE/PO No. OCUS 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>Belly Dump</u>

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

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)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 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 7/24/24DRIVER'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 > 50 micro roentgens? (Circle One) YES NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge
2nd Gauge
Received

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) [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 Keiser

Phone No. 575-266-2720

GENERATOR

NO. 342484

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&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		ISellv Dump

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)

(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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

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

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Arson KelschPhone No. 515 266 2266**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 & No. _____

AFE/PO No. Bruc 11038**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&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)Cell Dump

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

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]

SIGNATURE

TRANSPORTER

Transporter's

Name Rico & Son's TruckingAddress Beth

Phone No. _____

Driver's Name Brayan R220

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. 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

Free Water

Total Received

BS&W (%)



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Presbn KelsaPhone No. 975-766-7766

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. **342485**

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&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&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'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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W Received

Free Water

Total Received

BS&W (%)



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 - Tomas diCity, 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 & No.

AFE/PO No. OCUS IT03X

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&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&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 KorreroDATE 7/28/24SIGNATURE ATD

TRANSPORTER

Transporter's Name Blac River TruckingAddress 25 Avenida RoadMelange N.M.Phone No. 575 745 2309Driver's Name Ruben Bustillo

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

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

Feet

Inches

BS&W Received

Free Water

Total Received

BS&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 & No. _____

AFE/PO No. Chous 1J03X

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)	<u>Belly Dump</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

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 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 > 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? _____



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Arson KeiserPhone No. 575-266-2266

GENERATOR

NO. 342496

Operator No. _____

Operators Name ChevronAddress 5301-10000 rdCity, State, Zip Chilistad NM 89770Phone No. 575-887-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco red 110167County EddyAPI No. 30-015-27975

Rig Name & No. _____

AFE/PO No. 0005 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)	_____	<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&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 Fin SquireDATE 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 > 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*

GENERATORNO. 342498

Operator No. _____
 Operators Name Chevron
 Address 5301 Lomas rd
 City, State, Zip Chilchod NM 88220
 Phone No. 575-887-5670

Permit/RRC No. _____
 Lease/Well Name & No. Ammon pad 11461
 County Edm
 API No. 50-015-22475
 Rig Name & No. _____
 AFE/PO No. 0016 LT03X

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		
E&P Contaminated Soil	INTERNAL USE ONLY	
Gas Plant Waste	Truck Washout (exempt waste)	<u>Bellu Dump</u>

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 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

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Black River Trucking
 Address 25 N Nicholas Rd Malaga NM 88263
 Phone No. _____

Driver's Name Byre Barney
 Phone No. 903 754 7372
 Truck No. BRT-145
 WHP 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

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		

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 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 Red 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&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 _____ 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 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 > 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) 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&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&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 0 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 Flin KaiserDATE 7/27/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name Rico & Sons Trucking
 Address BILT
 Phone No. _____

Driver's Name Bryan R970
 Phone No. #07
 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 7/27/24DRIVER'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 & No. _____

AFE/PO No. DCUS 11437

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)	<u>5elliv Dump</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

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 KruegerDATE 7/27/24SIGNATURE [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-065-Address 5053 US Hwy 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One)

YES NOPhone No. 432-448-4239

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

YES NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Guage

Feet

Inches

2nd Guage

Received

BS&W Received

Free Water

Total Received

BS&W (%)

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

ACCEPTED 7/29/24DENIED [Signature]

If denied, why? _____

NAME (PRINT) [Signature]DATE 7/29/24TITLE [Signature]SIGNATURE [Signature]



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Preston KaiserPhone No. 575-266-2211

(PLEASE PRINT) *REQUIRED INFORMATION*

GENERATOR

NO. 342820

Operator No. _____

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Irving TX 76039Phone No. 575-887-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco prod 11216County EllisAPI No. 30-015-22975

Rig Name & No. _____

AFE/PO No. CRUS 1103X

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&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&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

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 KarrieraDATE 7/29/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name Southern Empire LLCAddress BRT

Phone No. _____

Driver's Name Luis RiroPhone 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

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 > 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 [Signature]

DENIED

If denied, why? [Signature]

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 & No. _____

AFE/PO No. OCUS 1103V

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>Kelly Dump</u>

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)(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 > 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) ATBDATE 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 & No. _____

AFE/PO No. BCUS 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)	<u>Belly Dump</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

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 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 > 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 [Signature]DENIED [Signature]

If denied, why? _____

NAME (PRINT)

DATE

TITLE

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 PasoAPI No. 30-019-22975Rig Name & No. Cous 17038

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		<u>Kelly Dump</u>

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)(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 > 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 Reesh K. K.Phone No. 575-246-8866

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342494

Operator No. _____

Operators Name Chevron
Address 5301 Lomas RdCity, State, Zip Albuquerque NM 87107
Phone No. 575-887-5677Permit/RRC No. _____
Lease/Well Name & No. Ammon Red 11061
County Edm
API No. 30-015-22475
Rig Name & No. CRUS 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		<u>Sally Dump</u>

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 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 Elin RomeroDATE 7/29/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name Rico & Son's Trucking
Address Btt

Phone No. _____

Driver's Name Luis Galles
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 Luis Galles

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 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 [Signature]DENIED [Signature]

If denied, why? _____

NAME (PRINT) [Signature]DATE 7/29/24

TITLE _____

SIGNATURE [Signature]

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Acadon KrausePhone No. 575-266-2266

(PLEASE PRINT)

REQUIRED INFORMATION

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 EdmAPI No. 30-015-22975

Rig Name & No. _____

AFE/PO No. OCUS 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>Belly Dump</u>

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)(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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

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

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name: Arson KaiserPhone No: 575-266-2266

GENERATOR

NO. 342495

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&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

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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge
2nd Gauge
Received

Feet

Inches

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

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 EdmAPI 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&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)	
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

76 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 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

NO

Phone No. 432-448-4239

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

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) [Signature]DATE 7/29TITLE [Signature]SIGNATURE [Signature]



WM

TEXAS-NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Arson KeiserPhone No. 575-276-2216

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 EdgarAPI No. 50-015-27975Rig Name & No. N 111AFE/PO No. Acus 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)	_____	<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&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 Flin RomeroDATE 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 > 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 [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 Carlsbad NM 88220
 Phone No. 575-887-5600

Permit/RRC No. _____
 Lease/Well Name & No. Amoco prod 11 cfb-1
 County El Dorado
 API No. 30-015-27475
 Rig Name & No. 11/17
 AFE/PO No. OCIS 1103Y

EXEMPT E&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	INTERNAL USE ONLY	
Tank Bottoms	Truck Washout (exempt waste)	<u>Belly Dump</u>
E&P Contaminated Soil		
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)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Red Bluff Facility 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 > 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

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

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)

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 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 > 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

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 & No.

County

API No.

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)

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 (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-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

dnn@northstarforms.com

1111 000000

01 1111000000

Yellow 00000000

000 0000 000000



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Preslan KeiselPhone 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 Fidler
 API No. 30.015-22975
 Rig Name & No. W/P
 AFE/PO No. UCUS 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)	
Gas Plant Waste		<u>Kelly Dunc</u>

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 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 KarieraDATE 7/29/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name Black River Trucking
 Address 25 N. Alcala Ad
Alcala, NM
 Phone No. 575-745-2309

Driver's Name Black River Trucking
 Phone No. 575-745-2309
 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 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. 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 7/29

DENIED

If denied, why? [Signature]NAME (PRINT) [Signature]DATE 7/29TITLE [Signature]SIGNATURE [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&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&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 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. 167WHP 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 [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 > 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 & No. _____

AFE/PO No. 0015 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)	
Gas Plant Waste		<u>Belly Dump</u>

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

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 > 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 _____ County Edin
 Phone No. 575-887-5670 API No. 50-015-22475
 Rig Name & No. Orus 1.103X
 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)	_____	<u>Roller Dump</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 (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 KauerDATE 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

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact 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 TNDUAPI No. 30-05-22475

Rig Name & No. _____

AFE/PO No. CRUS 1103X

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&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&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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

Feet

Inches

1st Gauge _____
 2nd Gauge _____
 Received _____

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? 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

GENERATOR

NO. 342838

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&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&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

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

1st Gauge

2nd Gauge

Received

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

(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&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&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 Elin BarreroDATE 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

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 > 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

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Picston KriegerPhone No. 575-266-2766

GENERATOR

NO. 342834

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 c/b 1
 County Elddy
 API No. 30-015-22475
 Rig Name & No. _____
 AFE/PO No. Ocus 1003A

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>Belly Dump</u>

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 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

Transporter's Name BRT
 Address Blair River Trucking
 Phone No. _____

Driver's Name Andres Rodriguez
 Phone No. _____
 Truck No. 141
 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. 432-448-4239NORM 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 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 & No.

County

API No.

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)

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&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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

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

(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 & No.

County

API No.

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)

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&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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

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

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&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>Selly Dump</u>

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 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 BrewerDATE 7/27/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name Bim & 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 > 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 7/29

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 & No.

County

API No.

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)

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&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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

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



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 CheltonAddress 5301 Fomas RdCity, State, Zip Clallabed NM 88220Phone No. 575-887-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco prod 11 oilCounty AdairAPI No. 30-015-22475Rig Name & No. CRS 11031

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&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)

Bellv Dump

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 (TCPL), 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 Kartier

(PRINT) AUTHORIZED AGENTS SIGNATURE

7/29/24

DATE

[Signature]

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

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 > 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 _____

TITLE AdmSIGNATURE [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 & No.

County

API No.

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)

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 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 > 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 Priscilla KiserPhone No. 575-746-7260

GENERATOR

NO. 342830

Operator No. _____

Operators Name ChevronAddress 5301 Lamps rdCity, State, Zip Marlborough NM 88210Phone No. 575-887-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco red northCounty EddyAPI No. 6-015-22979

Rig Name & No. _____

AFE/PO No. OCUS 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)	<u>Belly Dump</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

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 SIGNATURE

DATE

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

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 > 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 Rashon KerecPhone No. 575-266-7766

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. **342807**

Operator No. _____
 Operators Name Chevron
 Address 5301 LAMOS RD
 City, State, Zip Carlsbad NM 88220
 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. OCUS 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)	
Gas Plant Waste		<u>Belly Dump</u>

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 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 St
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 7/29/24DENIED 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 & No. _____

AFE/PO No. CICUS 1.103X

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 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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

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) [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 ChevronAddress 5301 Lamps RdCity, State, Zip Carlsbad NM 88220Phone No. 56-887-5670

Location of Origin

Lease/Well

Name & No. Amoco Red 11 c/bCounty EddyAPI No. 30-015-22475Rig Name & No. Ocus 1703X

AFE/PO No. _____

EXEMPT E&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>Sell 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&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 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 TruckingAddress 25 Nicholas RdPhone No. Malaga NMTransporter Ticket # 231876Driver's Name Servando Dominguez

Print Name

Phone No. 575-840-9053Truck 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. 28Site Name/ Halfway Facility / NM1-006Permit No. 6601 Hobbs Hwy US 62 / 180 Mile Marker 66 Carlsbad, NM 88220

Address

Phone 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	BS&W/BBLs Received	BS&W (%)
1st Gauge				
2nd Gauge				
Received			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



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 L103X

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)
☐	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) _____	<u>Belly Dump</u>

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 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 > 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]



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Dustin KaseiPhone No. 575-266-7266

(PLEASE PRINT)

REQUIRED INFORMATION

GENERATOR

NO. 342870

Generator No.

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

Based Muds
Based Cuttings
Water Based Muds
Water Based Cuttings
Produced Formation Solids
Tank Bottoms
Contaminated Soil
As 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&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's

Name

Address

Phone 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.

TRANSPORTER

Driver's Name

Phone No.

Truck No.

WHP No.

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

Feet

Inches

1st Gauge
2nd Gauge
Received

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



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 red 11 clb 1County EDMAPI No. 37-015-27975Rig Name & No. CRUS 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 E&P WASTE STREAMS	
Oil Based Cuttings	Washout Water (Non-Injectable)	<u>13000 DUNE</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
Gas Plant Waste		QUANTITY	TOP SOIL CALICHE

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

200 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 28

Name/No. _____

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

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

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

ACCEPTED

DENIED

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

C-138

dnc@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

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 & No.

County

API No.

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)

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&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

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.

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

Feet

Inches

1st Gauge

2nd Gauge

Received

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

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Arshin KelsenPhone No. 575-766-2266

GENERATOR

NO. 342810

Operator No. _____

Operators Name ChevronAddress 5301 Lomas RdCity, State, Zip Carlsbad NM 88220Phone No. 575-887-9670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco Red 11 Alb 1County EchilAPI No. 30-015-22 975

Rig Name & No. _____

AFE/PO No. Orus 17 03X

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>Belly Dump</u>

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 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 BRT

Address _____

Phone No. _____

Driver's Name Lois Vales

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. 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

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) [Signature]DATE 7/30/24TITLE AdmSIGNATURE [Signature]



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Arson KeiserPhone No. 575-766-2266

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 EdgarAPI No. 30-015-27475Rig Name & No. CRUS 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)	<u>Belly Dump</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

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 SorensenDATE 7/30/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name Rico & 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

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	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 7/30TITLE [Signature]SIGNATURE [Signature]done@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 & No.

County

API No.

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)

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&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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

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

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 Dreslon 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 McMPhone No. 575-887-5670API No. 30-015-22475Rig Name & No. CRIS 1.103X

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		<u>Belly Dump</u>

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 70 B-BARRELS 20 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 Elm BarriereDATE 7/30/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name Rico & SonsDriver's Name Alonso BarriosAddress 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

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 > 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) [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 Chevron
Address 5301 Lomas rd
City, State, Zip Carlsbad NM 88220
Phone No. 575-887-5670

Permit/RRC No. _____
Lease/Well _____
Name & No. Amoco prod 11c4b
County Eddy
API No. 30-015-27975
Rig Name & No. Ocus 1J03X
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&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's Transporting BRT Driver's Name Luis Miller
Address _____ Phone No. _____
Truck No. #19
Phone 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. 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	_____	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



(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. 37-015-22975
 Rig Name & No. _____
 AFE/PO No. OCUS 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)	
Gas Plant Waste		<u>Belly Dump</u>

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 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

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

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.R360-5160R



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 & No. _____

AFE/PO No. OCUS 1.103X

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&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&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 SIGNATURE7/30/24
DATE[Signature]
SIGNATURE

TRANSPORTER

Transporter's Name Rico & SonsAddress ORT

Phone No. _____

Driver's Name Alonso Bawaza

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

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

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Arden KrusePhone No. 515-266-2266

GENERATOR

NO. **342845**

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 prod well-1County EddyAPI No. 30-015-22975

Rig Name & No. _____

AFE/PO No. 150151003X

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&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&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)Elin Kariere7/30/24[Signature]

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Rico & SonsAddress 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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

Feet

Inches

1st Gauge _____

2nd Gauge _____

Received _____

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

donc@northstarforms.com
(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

donc@northstarforms.com
(877) 499-0492

White - ORIGINAL

Blue - TRANSPORTER

Yellow - GENERATOR

(877) 499-0492

308.R360-5160R

308.R360-5160R



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Dreslan KelseyPhone No. 575-266-2266

GENERATOR

NO. **342809**

Operator No. _____ Permit/RRC No. _____
 Operators Name Chevron Lease/Well Ammon pad 11 o4b-1
 Address 5301 Lomas rd Name & No. Eddy
 City, State, Zip Chisholm NM 88770 County Eddy
 Phone No. 575-887-5670 API No. 30-015-27975
 Rig Name & No. _____ AFE/PO No. 10051303X

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)	<u>5ellu Dump</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

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.

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TRANSPORTER

Transporter's Name Rico & Son's Trucking Driver's Name Bryan Rato
 Address 321 Phone No. _____
 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 Rato

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA 28

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) _____

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? AmNAME (PRINT) [Signature]DATE 7/30/24TITLE AmSIGNATURE [Signature]



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Aeshn KerrelPhone 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 78420
 Phone No. 575-887-3670

Permit/RRC No. _____
 Lease/Well Name & No. Amoco Red 11 C (b)
 County Ft. Bess
 API No. 30-015-22975
 Rig Name & No. _____
 AFE/PO No. 0015 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>Kelly Dump</u>

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 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 R. 70
 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. Amoco red 1101b-1County EddyAPI No. 30-015-22475

Rig Name & No. _____

AFE/PO No. OCUS 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)	<u>Belly Dump</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

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 BorreroDATE 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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

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) [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 ChevronAddress 5301 Lomas RdCity, State, Zip Clarksville NM 88220Phone No. 575-887-5670

Permit/RRC No. _____

Lease/Well _____

Name & No. Amoco Red 11 chCounty ddyAPI No. 51-019-22475Rig Name & No. Ucus 1103V

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&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 Korrero 7/30/24 [Signature]

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name Block River TruckingAddress 25 Nicholas RdWatauga NwPhone No. 575-2745-2309Driver'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 7-30-24 Servando Dominguez

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE 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 > 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 7/30/24TITLE [Signature]SIGNATURE [Signature]



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Arslan KrisciPhone No. 575-766-2766

GENERATOR

NO. 342848

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&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)

Kelly Dump

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 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)

Elin Krisci

(PRINT) AUTHORIZED AGENT'S SIGNATURE

7/30/24

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

Feet

Inches

1st Gauge
2nd Gauge
Received

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

(PLEASE PRINT)

REQUIRED INFORMATION

Name Preslon KeiserPhone No 575-266-2266

GENERATOR

NO. 342858

Operator No. _____
 Operators Name Chevron
 Address 5301 Lomas Rd
 City, State, Zip Chilhood NM
 Phone No. 505-887-5670

Permit/RRC No. _____
 Lease/Well Name & No. Amoco prod well 1
 County El Paso
 API No. 30-015-22475
 Rig Name & No. _____
 AFE/PO No. OCUS 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)	<u>Belly Dump</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

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 LLC
 Address 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 7-30-24DRIVER'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/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) [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 FeddyAPI No. 30-015-27475

Rig Name & No. _____

AFE/PO No. Chrus 1.103V

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>Belly Dump</u>

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 (TCPL), 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 [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. [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 > 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 7/30/24

TITLE _____

SIGNATURE [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. _____

Permit/RRC No. _____

Operators Name Chavon

Lease/Well

Address 5301 Lomas RdName & No. Amoco Red WellCity, State, Zip Chisholm NM 88220County AdairPhone No. 575-887-5670API No. 50-015-22975Rig Name & No. 30AFE/PO No. OCUS-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)	
Gas Plant Waste		<u>Kelly Dump</u>

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 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 KiserDATE 7/30/24SIGNATURE [Signature]

TRANSPORTER

Transporter's Name Southern Empire LLCDriver's Name Luis RicoAddress BRTPhone 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 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. 29Site 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 > 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 7/30/24TITLE AsstSIGNATURE [Signature]



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT) *REQUIRED INFORMATION*

Name Preston Keiser

Phone No. 575-266-7260

GENERATOR

NO. 342846

Operator No. _____ Permit/RRC No. _____
 Operators Name Chevron Name & No. Amoco red 11 0161
 Address 5301 Lomas rd County Edmon
 City, State, Zip Garland NM 88720 API No. 30-015-2245
 Phone No. 575-887-5670 Rig Name & No. _____
 AFE/PO No. Circus 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) _____	Drilling - Waste generated during the initial completion - Waste generated during the production - Waste generated during the commercial facilities - Waste that is generated in transit - <u>Bellu 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&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 90 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 Driver's Name Brayan Razo
 Address BOLP Phone No. _____
 Phone No. _____ Truck No. #12
 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 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

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 & No.

County

API No.

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)

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

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-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

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 Preslon KrcielPhone 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 EddyAPI No. 30-015-22475

Rig Name & No. _____

AFE/PO No. DCUS 1203X

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)	<u>Belly Dump</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

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 Rd
Malaga NMPhone No. 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 > 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]
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 Eddy
 API No. 30-015-22975
 Rig Name & No. Acus 1.103X
 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		<u>Kelly Dump</u>

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 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

DATE

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

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



New Mexico
TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Arslan KiseriPhone 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 EdwyAPI No. 30-015-27475Rig Name & No. Chris 1703X

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)	<u>Belly Dump</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

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 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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

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



NEW 1/12/10

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name Arson KiserPhone No. 515-266-2261

GENERATOR

NO. 342850

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

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)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

Transporter's Name

Address

Phone No.

TRANSPORTER

Driver's Name

Phone No.

Truck No.

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

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr)

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

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 KeiserPhone No. 575-266-2266

GENERATOR

NO. 342857

Operator No. _____	Permit/RRC No. _____
Operators Name <u>Chevron</u>	Lease/Well <u>Amoco pool 11 c/b 1</u>
Address <u>5301 Lamps rd</u>	Name & No. <u>LDIV</u>
City, State, Zip <u>Odessa NM 8920</u>	County <u>LDIV</u>
Phone No. <u>575-887-5670</u>	API No. <u>30-015-22475</u>
	Rig Name & No. <u>Oris 1703X 1/A</u>
	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 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) <u>Belly Dump</u>
Oil Based Cuttings _____		
Water Based Muds _____		
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&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 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 <u>Black River Trucking</u>	Driver's Name <u>Bryce Barney</u>
Address _____	Phone No. _____
Phone No. _____	Truck No. <u>145</u>
	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/Permit No. <u>Red Bluff Facility - STF-065</u>	Phone No. <u>432-448-4239</u>
Address <u>5053 US Hwy 285, Orla, TX 79770</u>	

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? _____

[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. CACUS 1J03X

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)	<u>Kelly Dump</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

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

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 > 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 Picson KaiserPhone No. 575-226-2260

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. 30-015-22915Rig Name & No. Chus 1303X

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&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&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 B. SerranoDATE 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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

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) S. ZverDATE 7/30/24TITLE Asst.SIGNATURE [Signature]



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

N.M.

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name: Arden KaiserPhone No: 579-266-7700

GENERATOR

NO. 342829

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 11 cfb 1County EdgarAPI No. 30-015-72975Rig 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 _____
 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&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 Elin BorreroDATE 7/30/24SIGNATURE [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 07/30/24DRIVER'S SIGNATURE Andres Rodriguez

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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

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) [Signature]DATE 7/20/24TITLE [Signature]SIGNATURE [Signature]



TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

Name Orlando KarselPhone No. 575-966-7766

(PLEASE PRINT)

REQUIRED INFORMATION

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 & No. _____

AFE/PO No. OCUS 1103X

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&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&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 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 > 50 micro roentgens? (Circle One)

YES

NO

NORM (mR/hr) _____

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W Received

Free Water

Total Received

BS&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
(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.

Eurofins Midland

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.

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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
Date Collected: 07/19/24 12:24
Date Received: 07/22/24 08:00
Sample Depth: 2.0

Lab Sample ID: 880-46248-9
Matrix: Solid

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
Date Collected: 07/19/24 12:26
Date Received: 07/22/24 08:00
Sample Depth: 2.0

Lab Sample ID: 880-46248-10
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		07/22/24 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	

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
Date Collected: 07/19/24 12:28
Date Received: 07/22/24 08:00
Sample Depth: 2.0

Lab Sample ID: 880-46248-11
Matrix: Solid

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
Date Collected: 07/19/24 12:30
Date Received: 07/22/24 08:00
Sample Depth: 2.0

Lab Sample ID: 880-46248-12
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 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
Date Collected: 07/19/24 12:40
Date Received: 07/22/24 08:00
Sample Depth: 2.0

Lab Sample ID: 880-46248-17
Matrix: Solid

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
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 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

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 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

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: 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	DFBZ1
		(70-130)	(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
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)
880-46248-1	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 (70-130)	OTPH1 (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

Eurofins Midland

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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			07/23/24 12:11	1

Eurofins Midland

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	

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

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
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

Lab Sample ID: 880-46248-8

Date Collected: 07/19/24 12:22

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 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

Lab Sample ID: 880-46248-9

Date Collected: 07/19/24 12:24

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	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

Lab Sample ID: 880-46248-10

Date Collected: 07/19/24 12:26

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			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

Eurofins Midland

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

Eurofins Midland

Lab Chronicle

Client: AECOM
Project/Site: Amoco CTB

Job ID: 880-46248-1
SDG: Loving, NM

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
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
Date Collected: 07/19/24 12:42
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-18
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			4.95 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
Date Collected: 07/19/24 12:44
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-19
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	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
Date Collected: 07/19/24 12:46
Date Received: 07/22/24 08:00

Lab Sample ID: 880-46248-20
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			5.00 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
 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 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: Brad.Wynne@AECom.com	

Project Name: AMOCO CTB		Turn Around	
Project Number: 60734207		☐ Routine ☒ 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 RECEIPT				Parameters		Preservative Codes	
Samples Received Intact:	Yes No	Temp Blank:	Yes No	Wet Ice:	Yes No	None:	NO
Cooler Custody Seals:	Yes No	Thermometer ID:		Thermometer ID:		Cool:	COOL
Sample Custody Seals:	Yes No	Correction Factor:		Correction Factor:		HCL:	HC
Total Containers:		Temperature Reading:		Temperature Reading:		H ₂ SO ₄ :	H ₂
		Corrected Temperature:		Corrected Temperature:		H ₃ PO ₄ :	HP
						NaHSO ₄ :	NABIS
						Na ₂ S ₂ O ₃ :	NaSO ₃
						Zn Acetate+NaOH:	Zn
						NaOH+Ascorbic Acid:	SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Sample Comments
CSB-034-2.0-20240719	S	7/19/24	0918	2.0	C	1	
CSB-035-2.0-20240719	S	7/19/24	0920			1	
CSB-044-2.0-20240719	S	7/19/24	0922			1	
CSB-045-2.0-20240719	S	7/19/24	0924			1	
CSB-054-2.0-20240719	S	7/19/24	0926			1	
CSB-055-2.0-20240719	S	7/19/24	0928			1	
CSB-036-2.0-20240719	S	7/19/24	1220			1	
CSB-037-2.0-20240719	S	7/19/24	1222			1	
CSB-046-2.0-20240719	S	7/19/24	1224			1	
CSB-047-2.0-20240719	S	7/19/24	1226			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 ₂ 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 \$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>	7/19/24 1630	2. <i>[Signature]</i>	2. <i>[Signature]</i>	
3. <i>[Signature]</i>	3. <i>[Signature]</i>		4. <i>[Signature]</i>	4. <i>[Signature]</i>	
5. <i>[Signature]</i>	5. <i>[Signature]</i>		6. <i>[Signature]</i>	6. <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) 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 3

Project Manager: Brad Wynne		Bill to: (if different)		Work Order Comments							
Company Name: AECOM		Company Name:		Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐							
Address: 13355 Noel Rd. Suite 400		Address:		State of Project: <u>N.M.</u>							
City, State ZIP: Dallas TX 75240		City, State ZIP:		Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐							
Phone: 214-971-1829		Email: Bradley.Wynne@AECOM.com		Deliverables: EDD ☒ ADAPT ☐ Other:							
Project Name: Amato CTB		Turn Around		ANALYSIS REQUEST							
Project Number: 60734207		☐ Routine ☒ Rush		Preservative Codes							
Project Location: Lovins, NM		Due Date: <u>24 hr</u>		None: NO							
Sampler's Name: J. Lovely, B. Cland		TAT starts the day received by the lab, if received by 4:30pm		Cool: Cool							
PO #:				HCL: HC							
SAMPLE RECEIPT				H ₂ SO ₄ : H ₂							
Samples Received Intact:		Temp Blank:	Yes No	H ₃ PO ₄ : HP							
Cooler Custody Seals:		Yes No	Thermometer ID:	NaHSO ₄ : NABIS							
Sample Custody Seals:		Yes No	Correction Factor:	Na ₂ S ₂ O ₃ : NaSO ₃							
Total Containers:		Yes No	Temperature Reading:	Zn Acetate+NaOH: Zn							
		Yes No	Corrected Temperature:	NaOH+Ascorbic Acid: SAPC							
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters		Pres. Code	
CSB-056-2.0-20240719	S	7/19/24	1228	2:0	X	X	X	Chlorides			
CSB-057-2.0-20240719			1230		X	X	X	BTEX			
CSB-065-2.0-20240719			1232		X	X	X				
CSB-066-2.0-20240719			1234		X	X	X				
CSB-067-2.0-20240719			1236		X	X	X				
CSB-074-2.0-20240719			1238		X	X	X				
CSB-075-2.0-20240719			1240		X	X	X				
CSB-076-2.0-20240719			1242		X	X	X				
CSB-084-2.0-20240719			1244		X	X	X				
CSB-085-2.0-20240719			1246		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 ₂ 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	
				7/19/24 1630						7/19/24 1630	
5		4		3		2		1		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) 794-1286
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060

Environment Testing

Work Order No:

Page 3 of 3

[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
(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.

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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
Date Collected: 07/23/24 08:48
Date Received: 07/24/24 08:00

Lab Sample ID: 880-46398-5
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		07/24/24 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	

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 (70-130)	DFBZ1 (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
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 (70-130)	OTPH1 (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
Surrogate Legend			
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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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	

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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) 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: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
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 ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Phone: 214-971-1829		Email:		Deliverables: EDD ☒ ADAPT ☐ Other:	

Project Name: Amaro CTB		Turn Around		ANALYSIS REQUEST		Preservative Codes	
Project Number: 60734207	Project Location: Loving, NM	☐ Routine	☒ Rush	Pres. Code			
Sampler's Name: J. Lopez, J. Godwin <td colspan="2">Due Date: 24 hr <td colspan="2"></td> <td colspan="2">None: NO</td> </td>		Due Date: 24 hr <td colspan="2"></td> <td colspan="2">None: NO</td>				None: NO	
PO #:		TAT starts the day received by the lab, if received by 4:30pm				Cool: Cool	
SAMPLE RECEIPT		Temp Blank: Yes ☒ No ☐				HCL: HC	
Samples Received Intact: Yes ☒ No ☐		Wet Ice: Yes ☒ No ☐				H ₂ SO ₄ : H ₂	
Cooler Custody Seals: Yes ☒ No ☐		Thermometer ID: <u>TRF</u>				H ₃ PO ₄ : HP	
Sample Custody Seals: Yes ☒ No ☐		Correction Factor: <u>1.4</u>				NaHSO ₄ : NABIS	
Total Containers:		Temperature Reading: <u>1.4</u>				Na ₂ S ₂ O ₃ : NaSO ₃	
		Corrected Temperature: <u>1.3</u>				Zn Acetate+NaOH: Zn	
						NaOH+Ascorbic Acid: SAPC	

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 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
<u>[Signature]</u> - AECom	<u>[Signature]</u>	7/24/24 5:00			
		7/23/24 16:30			

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) 988-3199
Little Rock, AR (501) 224-5080

Environment Testing



Work Ord

880-46398 Chain of Custody

[illegible]

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
(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.

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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



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 ☐ 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	☐ Routine ☒ 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 ☒ No ☐	Wet Ice: Yes ☒ No ☐	Parameters		
Samples Received Intact:	Yes ☒ No ☐	Thermometer ID:	-1.1		
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:	-1.1		
Sample Custody Seals:	Yes ☒ No ☐	Temperature Reading:	2.4		
Total Containers:	Yes ☒ No ☐	Corrected Temperature:	2.3		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grav/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

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) 794-1298
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 898-3199
Little Rock, AR (501) 224-5060

Chain of Custody

Work Order No:

46455

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		☐ Routine ☒ Rush				Pres. Code										None: NO	DI Water: H ₂ 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 ₃
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:		Yes		No		Thermometer ID:										H ₃ PO ₄ : HP	
Samples Received Intact:		Yes		No				Correction Factor:										NaHSO ₄ : NABIS	
Cooler Custody Seals:		Yes		No		N/A		Temperature Reading:										Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:		Yes		No		N/A		Corrected Temperature:										Zn Acetate+NaOH: Zn	
Total Containers:																		NaOH+Ascorbic Acid: SAPC	

[illegible]

Total 200.7 / 6010 200.8 / 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

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 / 7471

Notice: Signature of this document of reimbursement 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

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 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
(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

Eurofins Midland

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.

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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
Date Collected: 07/26/24 10:50
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-1
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	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
Date Collected: 07/26/24 11:00
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-2
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			4.98 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
Date Collected: 07/26/24 11:10
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-3
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			5.00 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
Date Collected: 07/26/24 11:20
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-4
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			5.01 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
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
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
Date Collected: 07/26/24 11:40
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-6
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	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

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
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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

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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

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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) 889-3199
Little Rock, AR (501) 224-5060

Work O



890-46548 Chain of Custody

Page 1 of 2

Project Manager: Brad Wyne Bill to: (if different)
Company Name: AECON Company Name:
Address: 13355 Abel Rd Suite 400 Address:
City, State ZIP: Dallas, TX 75240 City, State ZIP:
Phone: 214-971-1829 Email: Bradley.Wyne@Aecon.com

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		☐ Routine ☒ Rush															None: NO DI Water: H2O															
Project Location:		Loving, NM		Due Date:		24 hr															Cool: Cool MeOH: Me													
Sampler's Name:		J. Lovelady, J. Gordin		TAT starts the day received by the lab, if received by 4:30pm															HCL: HC HNO3															
PO #:																			H2SO4: H2 NaOH: Na															
SAMPLE RECEIPT		Temp Blank:		Yes (NO) No		Wet Ice:		(Yes) No															H3PO4: HP											
Samples Received Intact:		(Yes) No		Thermometer ID:		TPS															NaHSO4: NABIS													
Cooler Custody Seals:		Yes No		N/A		Correction Factor:																	Na2S2O3: NaSO3											
Sample Custody Seals:		Yes No		(N/A)		Temperature Reading:		2.6															Zn Acetate+NaOH: Zn											
Total Containers:				Corrected Temperature:		2.5															NaOH+Ascorbic Acid: SAPC													
Sample Identification		Matrix		Date Sampled		Time Sampled		Depth		Grab/Comp		# of Cont															Sample Comments							
CSB-023-3.0-20240726		5.17		7/24		1050		3.0		4		1		X		X		X																
CSB-024-3.0-20240726						1100		3.0				1		X		X		X																
CSB-025-3.0-20240726						1110		3.0				1		X		X		X																
CSB-026-3.0-20240726						1120		3.0				1		X		X		X																
CSB-027-3.0-20240726						1130		3.0				1		X		X		X																
CSB-033-3.0-20240726						1140		3.0				1		X		X		X																
CSB-043-3.0-20240726						1150		3.0				1		X		X		X																
CSB-053-3.0-20240726						1200		3.0				1		X		X		X																
CSB-073-3.0-20240726						1210		3.0				1		X		X		X																
CSB-094-4.0-20240726		✓		✓		1220		4.0		✓		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 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

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
<u>Brad Wyne</u>	<u>Bradley Wyne</u>	<u>7/26/24 1630</u>			



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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: NM	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☒ ADAPT ☐ Other:	

Project Name:	Ameo CTB	Turn Around	Pres. Code	ANALYSIS REQUEST																Preservative Codes							
Project Number:	60734207	☐ Routine ☒ Rush																		None: NO DI Water: H ₂ 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 ₃							
PO #:																				H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No																	H ₃ PO ₄ : HP					
Samples Received Intact:		Yes No	Thermometer ID:																	NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes No N/A	Correction Factor:																	Na ₂ S ₂ O ₃ : NaSO ₃							
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 ₂ 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. <i>Bradley Wyne</i>	<i>Bradley Wyne</i>	
3. <i>Bradley Wyne</i>	<i>Bradley Wyne</i>	7/26/24 1630	4. <i>Bradley Wyne</i>	<i>Bradley Wyne</i>	
5. <i>Bradley Wyne</i>	<i>Bradley Wyne</i>	7/26/24 1630	6. <i>Bradley Wyne</i>	<i>Bradley Wyne</i>	

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

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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
(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

Eurofins Midland

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.

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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
Date Collected: 07/26/24 11:30
Date Received: 07/29/24 08:00
Sample Depth: 3.0

Lab Sample ID: 880-46548-5
Matrix: Solid

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	

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 (70-130)	DFBZ1 (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 (70-130)	OTPH1 (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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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

Eurofins Midland

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
Date Collected: 07/26/24 10:50
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-1
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	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
Date Collected: 07/26/24 11:00
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-2
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	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
Date Collected: 07/26/24 11:10
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-3
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	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
Date Collected: 07/26/24 11:20
Date Received: 07/29/24 08:00

Lab Sample ID: 880-46548-4
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	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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- 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) 585-3443, Lubbock, TX (806) 794-1298
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 889-3199
Little Rock, AR (501) 224-5060

Work O



890-46548 Chain of Custody

Page 1 of 2

Project Manager: Brad Wyne Bill to: (if different)
Company Name: AECON Company Name:
Address: 13355 Abel Rd Suite 400 Address:
City, State ZIP: Dallas, TX 75240 City, State ZIP:
Phone: 214-971-1829 Email: Bradley.Wyne@Aecon.com

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		☐ Routine	☒ Rush													None: NO	DI Water: H ₂ O		
Project Location:		Loving, NM		Due Date:		24 hr														Cool: Cool	MeOH: Me
Sampler's Name:		J. Lovelady, J. Gohwin		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO ₃		
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes ☐ No ☒	Wet Ice:	☒ Yes ☐ No														H ₃ PO ₄ : HP		
Samples Received Intact:		☒ Yes ☐ No	Thermometer ID:															NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes ☐ No ☒	Correction Factor:	TPS														Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes ☐ No ☒	Temperature Reading:	2.6														Zn Acetate+NaOH: Zn			
Total Containers:			Corrected Temperature:	2.5														NaOH+Ascorbic Acid: SAPC			
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Sample Comments													
CSB-023-3.0-20240726		5.17	12/24	1050	3.0	4	1	X	X	X											
CSB-024-3.0-20240726				1100	3.0		1	X	X	X											
CSB-025-3.0-20240726				1110	3.0		1	X	X	X											
CSB-026-3.0-20240726				1120	3.0		1	X	X	X											
CSB-027-3.0-20240726				1130	3.0		1	X	X	X											
CSB-033-3.0-20240726				1140	3.0		1	X	X	X											
CSB-043-3.0-20240726				1150	3.0		1	X	X	X											
CSB-053-3.0-20240726				1200	3.0		1	X	X	X											
CSB-073-3.0-20240726				1210	3.0		1	X	X	X											
CSB-094-4.0-20240726				1220	4.0		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 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

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
<u>Brad Wyne</u>	<u>Brad Wyne</u>	7/26/24 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) 988-3199
Little Rock, AR (501) 224-0690

Chain of Custody

Work Order No:

Page 2 of 2

Project Manager:	Brad Wyane			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.Wyane@AECOM.com	

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: <i>NM</i>	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☒ ADAPT ☐ Other: _____	

Project Name:		Amcico CTB		Turn Around				Pres. Code		ANALYSIS REQUEST										Preservative Codes	
Project Number:		60734207		☐ Routine ☒ Rush														None: NO		DI Water: H ₂ O	
Project Location:		Lovinq, NM		Due Date:		24 hr												Cool: Cool		MeOH: Me	
Sampler's Name:		J. lovely, J. Indwin		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC		HNO ₃	
PO #:																		H ₂ SO ₄ : H ₂		NaOH: Na	
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No										H ₃ PO ₄ : HP			
Samples Received Intact:		Yes No		Thermometer ID:														NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes No N/A		Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes No N/A		Temperature Reading:														Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:														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 ₂ Na Sr Ti Sn U V Zn
TCCLP/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

Notices: 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 \$65.00 will be applied to each project 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	<i>[Signature]</i>	7/24/04 1:00	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
(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.

Eurofins Midland

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

Eurofins Midland

Client Sample Results

Client: AECOM
Project/Site: Amoco

Job ID: 880-46622-1
SDG: Loving, NM

Client Sample ID: CSB-099-3.0-20240729
Date Collected: 07/29/24 11:30
Date Received: 07/30/24 08:00
Sample Depth: 3.0

Lab Sample ID: 880-46622-7
Matrix: Solid

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
Date Collected: 07/29/24 13:40
Date Received: 07/30/24 08:00
Sample Depth: 3.0

Lab Sample ID: 880-46622-8
Matrix: Solid

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
Date Collected: 07/29/24 13:50
Date Received: 07/30/24 08:00
Sample Depth: 3.0

Lab Sample ID: 880-46622-9
Matrix: Solid

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										Client Sample ID: Method Blank	
Matrix: Solid										Prep Type: Soluble	
Analysis Batch: 87037											
Analyte	MB Result	MB 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										Client Sample ID: Lab Control Sample	
Matrix: Solid										Prep Type: Soluble	
Analysis Batch: 87037											
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	250	256.4		mg/Kg		103	90 - 110				
Lab Sample ID: LCSD 880-87018/3-A										Client Sample ID: Lab Control Sample Dup	
Matrix: Solid										Prep Type: Soluble	
Analysis Batch: 87037											
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	250	256.5		mg/Kg		103	90 - 110	0	20		
Lab Sample ID: 880-46622-4 MS										Client Sample ID: CSB-072-3.0-20240729	
Matrix: Solid										Prep Type: Soluble	
Analysis Batch: 87037											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	315	F1	250	537.5	F1	mg/Kg		89	90 - 110		
Lab Sample ID: 880-46622-4 MSD										Client Sample ID: CSB-072-3.0-20240729	
Matrix: Solid										Prep Type: Soluble	
Analysis Batch: 87037											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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

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
Date Collected: 07/29/24 11:30
Date Received: 07/30/24 08:00

Lab Sample ID: 880-46622-7
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			5.03 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
Date Collected: 07/29/24 13:40
Date Received: 07/30/24 08:00

Lab Sample ID: 880-46622-8
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			5.01 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
Date Collected: 07/29/24 13:50
Date Received: 07/30/24 08:00

Lab Sample ID: 880-46622-9
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	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

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) 392-7650, Carlsbad, NM (575) 988-3189
Little Rock, AR (501) 224-5060

Environment Testing

Work Order

880-46622 Chain of Custody

Page 1 of 1

Project Manager: Brad Wyne		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.Wyne@AE.com	

Project Name: Amoco		Turn Around	
Project Number: 60734707		☐ Routine ☒ 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 #:			

SAMPLE RECEIPT		Temp Blank: Yes ☒ No ☐		Wet Ice: Yes ☒ No ☐	
Samples Received Intact: Yes ☒ No ☐		Thermometer ID: TPS			
Cooler Custody Seals: Yes ☒ No ☐		Correction Factor: -1			
Sample Custody Seals: Yes ☒ No ☐		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 ₂ 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 ₃
CSB-072-3.0-20240729	5.1	7/29/24	1050	3.0	C	1	X		H ₂ SO ₄ : H ₂	NaOH: Na
CSB-073-3.0-20240729	5.1	7/29/24	1100	3.0	C	1	X		H ₃ PO ₄ : HP	
CSB-082-3.0-20240729	5.1	7/29/24	1110	3.0	C	1	X		NaHSO ₄ : NABIS	
CSB-091-3.0-20240729	5.1	7/29/24	1120	3.0	C	1	X		Na ₂ S ₂ O ₃ : NaSO ₃	
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 ₂ 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 <i>Brad Wyne</i>		7/29/24 1630 ²			
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>		☐ Routine ☒ 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		Temp Blank:		Wet Ice:		Thermometer ID:		Correction Factor:		Temperature Reading:		Corrected Temperature:	
Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
Samples Received Intact:		Cooler Custody Seals:		Sample Custody Seals:		Total Containers:							

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont
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 ₂ 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 \$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
1 <u>[Signature]</u>		7/29/24 1630 ²			
3 <u>[Signature]</u>					
5 <u>[Signature]</u>					

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
(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.

Eurofins Midland

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

Eurofins Midland

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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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

Eurofins Midland

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

Eurofins Midland

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

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

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) 382-7550, Carlsbad, NM (575) 888-3199
Little Rock, AR (501) 224-5060

Chain of Custody

Worth

880-46670 Chain of Custody



Page _____ of _____

Project Manager:						Bradley Wynne											
Company Name:						AECOM											
Address:						13355 Noel Rd. Suite 400 Dallas TX 75240											
City, State ZIP:																	
Phone:						214-971-1829 Email: Bradley.Wynne@Aecom.com											
Project Name:						Amoco CTB											
Project Number:						60734207											
Project Location:						Lovinsy, NM											
Sampler's Name:						Due Date: 24 hrs											
PO #:						TAT starts the day received by the lab, if received by 4:30pm											
SAMPLE RECEIPT						Turn Around											
Samples Received Intact:						☒ Routine ☐ Rush Pres. Code											
Cooler Custody Seals:						Yes No Wet Ice: Yes No Parameters											
Sample Custody Seals:						Yes No N/A Correction Factor: TBS -1											
Total Containers:						Temperature Reading: O.C. Corrected Temperature: O.S.											
Sample Identification						Matrix Sampled Time Sampled Depth Graby # of Cont						chlorides					
CSB-050-3.0-20240730						Soil 7/30/24 0900 3.0 C 1 X											
CSB-051-3.0-20240730						Soil 7/30/24 0910 3.0 C 1 X											
CSB-052-3.0-20240730						Soil 7/30/24 0920 3.0 C 1 X											
CSB-060-3.0-20240730						Soil 7/30/24 0930 3.0 C 1 X											
CSB-061-3.0-20240730						Soil 7/30/24 0940 3.0 C 1 X											
CSB-070-3.0-20240730						Soil 7/30/24 0950 3.0 C 1 X											
CSB-092-4.0-20240730						Soil 7/30/24 1000 4.0 C 1 X											
CSB-100-4.0-20240730						Soil 7/30/24 1010 4.0 C 1 X											
CSB-106-3.0-20240730						Soil 7/30/24 1150 3.0 C 1 X											
CSB-107-3.0-20240730						Soil 7/30/24 1200 3.0 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 ₂ 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											
Notes: Signature of this document and relinquishment of samples 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 \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xanaco, but not analyzed. These terms will be enforced unless previously negotiated.																	
Relinquished by: (Signature)						Received by: (Signature)						Date/Time					
Jasper - AECOM						JD 7/31/24 800						7/30/24 1630					
3						4						6					
5																	

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



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8/2/2024 12:08:49 PM

Authorized for release by
Jessica Kramer, Project Manager
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

Eurofins Midland

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

Eurofins Midland

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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	MB 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

Eurofins Midland

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

Eurofins Midland

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

Lab Chronicle

Client: AECOM
Project/Site: Amoco Site

Job ID: 880-46749-1
SDG: Loving NM

Client Sample ID: CSB-048-3.0-20240731
Date Collected: 07/31/24 09:20
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-1
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	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
Date Collected: 07/31/24 09:30
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-2
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	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
Date Collected: 07/31/24 09:40
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-3
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	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
Date Collected: 07/31/24 09:50
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-4
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			5.03 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
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
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
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
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

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**Lab Sample ID: 880-46749-13****Date Collected: 07/31/24 14:35****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 14:43	SMC	EET MID

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**

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**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
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**Lab Sample ID: 880-46749-16****Date Collected: 07/31/24 15:40****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		5	50 mL	50 mL	87240	08/01/24 15:09	SMC	EET MID

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**

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**Lab Sample ID: 880-46749-18****Date Collected: 07/31/24 16:30****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			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

Eurofins Midland

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
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 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

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/ST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: NM	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☒ ADAPT ☐ Other:	

Project Name:	Amox CTB	Turn Around	☐ Routine ☒ Rush	Para. Code	
Project Number:	60734207	Due Date:	24 hr		
Project Location:	Lovins, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Tracy,				
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:	0.6		
Total Containers:		Corrected Temperature:	2.9		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters									
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 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

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	<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		☐ Routine ☒ Rush		Pres. Code	
Project Location:		Lovington, NM		Due Date:		24 hr	
Sampler's Name:		J. 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							
BTEX - 3 Day							
Sample Identification		Matrix		Date Sampled		Time Sampled	
Depth		Grain/Comp		# of Cont			
Parameters							
Chlorides - 24 hr							
TPH - 3 Day							
BTEX - 3 Day							
Sample Identification		Matrix		Date Sampled		Time Sampled	
Depth		Grain/Comp		# of Cont			
Parameters							
Chlorides - 24 hr							
TPH - 3 Day							
BTEX - 3 Day							
Sample Identification		Matrix		Date Sampled		Time Sampled	
Depth		Grain/Comp		# of Cont			
Parameters							
Chlorides - 24 hr							
TPH - 3 Day							
BTEX - 3 Day							
Sample Identification		Matrix		Date Sampled		Time Sampled	
Depth		Grain/Comp		# of Cont			
Parameters							
Chlorides - 24 hr							
TPH - 3 Day							
BTEX - 3 Day							
Sample Identification		Matrix		Date Sampled		Time Sampled	
Depth		Grain/Comp		# of Cont			
Parameters							
Chlorides - 24 hr							
TPH - 3 Day							
BTEX - 3 Day							
Sample Identification		Matrix		Date Sampled		Time Sampled	
Depth		Grain/Comp		# of Cont			
Parameters							
Chlorides - 24 hr							
TPH - 3 Day							
BTEX - 3 Day							
Sample Identification		Matrix		Date Sampled		Time Sampled	
Depth		Grain/Comp		# of Cont			
Parameters							
Chlorides - 24 hr							
TPH - 3 Day							
BTEX - 3 Day							
Sample Identification		Matrix		Date Sampled		Time Sampled	
Depth		Grain/Comp		# of Cont			
Parameters							
Chlorides - 24 hr							
TPH - 3 Day							
BTEX - 3 Day							
Sample Identification		Matrix		Date Sampled		Time Sampled	
Depth		Grain/Comp		# of Cont			
Parameters							
Chlorides - 24 hr							
TPH - 3 Day							
BTEX - 3 Day							
Sample Identification		Matrix		Date Sampled		Time Sampled	
Depth		Grain/Comp		# of Cont			
Parameters							
Chlorides - 24 hr							
TPH - 3 Day							
BTEX - 3 Day							
Sample Identification		Matrix		Date Sampled		Time Sampled	
Depth		Grain/Comp		# of Cont			
Parameters							
Chlorides - 24 hr							
TPH - 3 Day							
BTEX - 3 Day							
Sample Identification		Matrix		Date Sampled		Time Sampled	
Depth		Grain/Comp		# of Cont			
Parameters							
Chlorides - 24 hr							
TPH - 3 Day							
BTEX - 3 Day							
Sample Identification		Matrix		Date Sampled		Time Sampled	
Depth		Grain/Comp		# of Cont			
Parameters							
Chlorides - 24 hr							
TPH - 3 Day							
BTEX - 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:	Brad Wyman	Bill to: (if different)	
Company Name:	AECOM	Company Name:	
Address:	1335 N. Rd Suite 400	Address:	
City, State ZIP:	Dallas, TX 75240	City, State ZIP:	
Phone:	214-971-1829	Email:	Bradley.wyman@AECOM.com

Work Order Comments			
Program:	UST/PST ☐	PRP ☐	Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	NJ		
Reporting:	Level II ☐	Level III ☐	PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☒	AdApT ☐	Other: ☐

Project Name:		Amc O CTB		Turn Around				Pres. Code		ANALYSIS REQUEST										Preservative Codes	
Project Number:		60734207		☐ Routine ☒ Rush														None: NO		DI Water: H ₂ 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 ₃	
PO #:																		H ₂ SO ₄ : H ₂		NaOH: Na	
SAMPLE RECEIPT		Temp Blank:		Yes No		Thermometer ID:		Wet Ice:		Yes No								H ₃ PO ₄ : HP			
Samples Received Intact:		Yes No				Correction Factor:												NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes No		N/A														Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes No		N/A		Temperature Reading:												Zn Acetate+NaOH: Zn			
Total Containers:						Corrected Temperature:												NaOH+Ascorbic Acid: SACP			

[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 ₂ 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

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>		7/31/21 1:30		<i>[Signature]</i>	

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
(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

Eurofins Midland

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

Eurofins Midland

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

Lab Sample ID: 880-46749-4

Date Collected: 07/31/24 09:50

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	<0.00139	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

Lab Sample ID: 880-46749-5

Date Collected: 07/31/24 00:00

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	<0.00138	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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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 (70-130)	DFBZ1 (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
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 (70-130)	OTPH1 (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	OTPH1				
		(70-130)	(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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		08/01/24 08:32	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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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

Eurofins Midland

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	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	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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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
Surrogate	LCSD LCSD		Limits						
	%Recovery	Qualifier							
1-Chlorooctane	123		70 - 130						
o-Terphenyl	108		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: 880-46579-A-1-T MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 87292

Prep Batch: 87225

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec		
	Result	Qualifier	Added	Result	Qualifier				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

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 87292

Prep Batch: 87225

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	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

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 87290

Prep Batch: 87231

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 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 MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
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

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 87290

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

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	

Eurofins Midland

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	

Eurofins Midland

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
Date Collected: 07/31/24 09:20
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-1
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	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
Date Collected: 07/31/24 09:30
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-2
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	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
Date Collected: 07/31/24 09:40
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-3
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	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
Date Collected: 07/31/24 09:50
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-4
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	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

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Lab Chronicle

Client: AECOM
Project/Site: Amoco Site

Job ID: 880-46749-2
SDG: Loving NM

Client Sample ID: CSB-110-3.0-20240731
Date Collected: 07/31/24 14:25
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-9
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	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
Date Collected: 07/31/24 11:00
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-11
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			4.97 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
Date Collected: 07/31/24 11:20
Date Received: 08/01/24 08:00

Lab Sample ID: 880-46749-12
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			4.7 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
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
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/ST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: NM	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☒ ADAPT ☐ Other:	

Project Name:	Amox CTB	Turn Around		Preservative Codes	
Project Number:	60734207	☐ Routine ☒ Rush		None: NO	DI Water: H ₂ 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 ₃
PO #:				H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Well Ice:	H ₃ PO ₄ : HP	
Samples Received Intact:	Yes ☒ No ☐	Thermometer ID:		NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes ☐ No ☒	Correction Factor:		Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes ☐ No ☒	Temperature Reading:	0.6	Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:	2.5	NaOH+Ascorbic Acid: SAPC	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST													Sample Comments
CSB-048-3.0-20240731	5.1	7/31/24	0920	3.0	C	1	X	X	X											
CSB-049-3.0-20240731	5.1	7/31/24	0930	3.0	C	1	X	X	X											
CSB-056-3.0-20240731	5.1	7/31/24	0940	3.0	C	1	X	X	X											
CSB-059-3.0-20240731	5.1	7/31/24	0950	3.0	C	1	X	X	X											
CSB-058-Dup-3.0-20240731	5.1	7/31/24	—	3.0	C	1	X	X	X											
CSB-06-0-2-20240731	5.01	7/31/24	1405	0-2	C	1	X	X	X											
CSB-07-0-2-20240731	5.01	7/31/24	1355	0-2	C	1	X	X	X											
CSB-08-0-2-20240731	5.01	7/31/24	1415	0-2	C	1	X	X	X											
CSB-10-2-0-20240731	5.01	7/31/24	1435	2.0	C	1	X	X	X											
CSB-091-4.0-20240731	5.1	7/31/24	1445	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 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

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) 240-2200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-2443, Lubbock, TX (806) 784-1286
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-6060

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 Abel Rd. Suite 400						Address:					
City, State ZIP:						Dallas, TX 75240						City, State ZIP:					
Phone:						214-971-1829						Email: Bradky.Wyne@AECOM.com					
Project Name:						Amoco CTB						Turn Around					
Project Number:						60734207						☐ Routine ☒ Rush Pres. Code					
Project Location:						Lovington, NM						Due Date: 24 hr					
Sampler's Name:						T. Lundy, M. Culver						TAI 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:											
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						Grab/Comp					
# of Cont																	
CSB-086-3.0-2024071						Seal 1						7/31/24					
CSB-095-3.0-2024071												1100 3.0 C 1 X X X					
CSB-082-4.0-2024071												1120 3.0 C 1 X X X					
CSB-093-5.0-2024071												1435 4.0 C 1 X X X					
CSB-068-3.0-2024071												1455 5.0 C 1 X X X					
CSB-069-3.0-2024071												1530 3.0 C 1 X X X					
CSB-077-3.0-2024071												1540 3.0 C 1 X X X					
CSW-02-03-2024071												1550 3.0 C 1 X X X					
CSB-087-3.0-2024071												1630 3.0 C 1 X X X					
CSW-03-03-2024071												1620 3.0 C 1 X X X					
CSW-03-03-2024071												1640 3.0 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 ₂ 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 Tl 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 \$55.00 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					
7/31/24 1630						7/31/24 1630						2					
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) 988-3199
Little Rock, AR (501) 224-5060

Chain of Custody

Work Order No.:

Page 3 of 3

Project Manager:	Brad Wyman	Bill to: (if different)	
Company Name:	AECOM	Company Name:	
Address:	1335 Nbd Rd suite 400	Address:	
City, State ZIP:	Dallas, TX 75240	City, State ZIP:	
Phone:	214-971-1829	Email:	Bradley.wyman@AECOM.com

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: NJ	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☒ ADAPT ☐ Other: _____	

Project Name:		Amc 5 CTB		Turn Around				Pres. Code		ANALYSIS REQUEST										Preservative Codes	
Project Number:		60734207		☐ Routine ☒ Rush																None: NO	
Project Location:		Leaving, NM		Due Date:		24 hr														Cool: Cool	
Sampler's Name:		J. Levey, M. Culver		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC	
PO #:																				H ₂ SO ₄ : H ₂	
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No												H ₃ PO ₄ : HP	
Samples Received Intact:		Yes No		Thermometer ID:																NaHSO ₄ : NABIS	
Cooler Custody Seals:		Yes No		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:		Yes No		N/A		Temperature Reading:														Zn Acetate+NaOH: Zn	
Total Containers:				Corrected Temperature:																NaOH+Ascorbic Acid: SASC	

[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 ₂ 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		7/31/21 1:30	2	<i>[Signature]</i>	
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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
(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 Result	MB 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 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

Matrix: Solid

Analysis Batch: 87346

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	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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	286	F1	198	539.6	F1	mg/Kg		128	90 - 110	0	20

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

Eurofins Midland

Lab Chronicle

Client: AECOM
Project/Site: Amoco Site

Job ID: 880-46792-1
SDG: Loving, NM

Client Sample ID: CSW-11-0-2-20240801
Date Collected: 08/01/24 09:00
Date Received: 08/02/24 08:00

Lab Sample ID: 880-46792-1
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			4.96 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
Date Collected: 08/01/24 09:45
Date Received: 08/02/24 08:00

Lab Sample ID: 880-46792-2
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	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
Date Collected: 08/01/24 10:05
Date Received: 08/02/24 08:00

Lab Sample ID: 880-46792-3
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			5.03 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
Date Collected: 08/01/24 09:20
Date Received: 08/02/24 08:00

Lab Sample ID: 880-46792-4
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			5.04 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
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
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
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
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



Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 505-3334
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 O

880-46792 Chain of Custody



Page 1 of 1

Project Manager:	Brad Wyne	Bill to: (if different)	
Company Name:	AECOM	Company Name:	
Address:	18355 Noel Rd Suite 400	Address:	
City, State ZIP:	Rolling, TX 75090	City, State ZIP:	
Phone:	214-971-1829	Email:	Brad.wyne@aecom.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project: *NA*

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☒ ADAPT ☐ Other: _____

Project Name:	Amoc 250		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes	
Project Number:	60734307		☐ Routine ☒ Rush			Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	None: NO		DI Water: H ₂ O								
Project Location:	Loring, NH		Due Date:		24 hr												
Sampler's Name:	S. Rasmussen		TAT starts the day received by the lab, if received by 4:30pm														
PO #:																	
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Thermometer ID:	Wet Ice:	Yes ☒ No ☐												
	Samples Received Intact:	Yes ☒ No ☐	Correction Factor:		IR5												
	Cooler Custody Seals:	Yes ☐ No ☒ N/A	Temperature Reading:		0.3												
	Sample Custody Seals:	Yes ☐ No ☒ N/A	Corrected Temperature:		0.1												
	Total Containers:																

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Sample Comments
04-11-0-0-2024 0801	Soil	8/1/24	0900	0-2	C	1	+	+	+																												
04-10-0-2-2024 0801	Soil	8/1/24	0945	0-2	C	1	+	+	+																												
04-08-3.0-2024 0801	Soil	8/1/24	1005	3.0	C	1	+	+	+																												
04-12-0-2-2024 0801	Soil	8/1/24	0920	0-2	C	1	+	+	+																												
04-041-3.0-2024 0801	Soil	8/1/24	1020	2.0	C	1	+	+	+																												
04-046-3.0-2024 0801	Soil	8/1/24	1535	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 ₂	Na	Sr	Ti	Sn	U	V	Zn
Circle Method(s) and Metal(s) to be analyzed		TC1P / SPLP 6010:	8RCRA	Sb	As	Ba	Be	Cd	Cr	Co <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></td> <td>Hg: 1631 / 245.1 / 7470 / 7471</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U			Hg: 1631 / 245.1 / 7470 / 7471									

Notices: 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 \$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> mc-AEcan	<i>[Signature]</i>	8/12/24 16:30	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev: 2020.

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
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(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.

Eurofins Midland

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

Eurofins Midland

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

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 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

Eurofins Midland

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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	862.0		mg/Kg		86	70 - 130	5	20
Diesel Range Organics (Over 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	961.0		mg/Kg		96	70 - 130
Diesel Range Organics (Over 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 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	998	957.8		mg/Kg		96	70 - 130	0	20
Diesel Range Organics (Over 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

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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 C



880-46792 Chain of Custody

Project Manager: Becky Wylene Bill to: (if different)
Company Name: AECOM Company Name:
Address: 13355 Noel Rd Suite 400
City, State ZIP: Dallas, TX 75240 City, State ZIP:
Phone: 214-921-1829 Email: Becky.Wylene@aecom.com

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: Amec CCR Turn Around
Project Number: 60734207 ☐ Routine ☒ Rush
Project Location: Loving, NM Due Date: 8/1/24
Sampler's Name: S. Rasmussen TAT starts the day received by the lab, if received by 4:30pm
PO #:
SAMPLE RECEIPT Temp Blank: Yes Wet Ice: No
Samples Received Intact: Yes Thermometer ID: 178
Cooler Custody Seals: Yes No N/A Correction Factor:
Sample Custody Seals: Yes No N/A Temperature Reading: 0.3
Total Containers: 1 Corrected Temperature: 0.1

Sample Identification							Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of 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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
<u>Becky Wylene</u>	<u>[Signature]</u>	<u>8/2/24 1620</u>			

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
(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.

Eurofins Midland

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
Date Collected: 08/02/24 09:05
Date Received: 08/05/24 08:00
Sample Depth: 3.0

Lab Sample ID: 880-46842-2
Matrix: Solid

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
Date Collected: 08/02/24 09:20
Date Received: 08/05/24 08:00
Sample Depth: 3.0

Lab Sample ID: 880-46842-3
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		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
Date Collected: 08/02/24 11:00
Date Received: 08/05/24 08:00
Sample Depth: 3.0

Lab Sample ID: 880-46842-6
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			08/06/24 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
Date Collected: 08/02/24 12:55
Date Received: 08/05/24 08:00
Sample Depth: 3.5

Lab Sample ID: 880-46842-7
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		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				
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)				
880-46842-1	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				
Surrogate Legend							
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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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	

Eurofins Midland

Lab Chronicle

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

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

Lab Sample ID: 880-46842-2

Date Collected: 08/02/24 09:05

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 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

Lab Sample ID: 880-46842-3

Date Collected: 08/02/24 09:20

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			5.00 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

Lab Sample ID: 880-46842-4

Date Collected: 08/02/24 09:35

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 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
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
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
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
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
Date Collected: 08/02/24 12:55
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-7
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			5.01 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
Date Collected: 08/02/24 13:10
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-8
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			5.03 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



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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: NM	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☒ ADAPT ☐ Other:	

Project Name:	Ameo GTP	Turn Around	
Project Number:	60734207	☐ Routine ☒ 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 ☒ No ☐	Wet Ice: Yes ☒ No ☐	
Samples Received Intact:	Yes ☒ No ☐	Thermometer ID:	128
Cooler Custody Seals:	Yes ☐ No ☒	Correction Factor:	
Sample Custody Seals:	Yes ☐ No ☒	Temperature Reading:	0.8
Total Containers:		Corrected Temperature:	0.7

Sample Identification	Matrix	Date		Depth	Grab/Comp	# of Cont	Parameters															
		Sampled	Time Sampled				Chlorides - 24 hr BTEX - 3 days PH - 3 days															
CSB-090-3.0-20240902	Soil	9/2/24	0850	3.0	C	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CSB-091-3.0-20240902	Soil	9/2/24	0905	3.0	C	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CSB-092-3.0-20240902	Soil	9/2/24	0910	3.0	C	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CSB-093-3.0-20240902	Soil	9/2/24	0935	3.0	C	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CSB-094-3.0-20240902	Soil	9/2/24	1015	3.0	C	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CSB-105-3.0-20240902	Soil	9/2/24	1100	3.0	C	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CSB-090-3.5-20240902	Soil	9/2/24	1255	3.5	C	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CSB-097-3.5-20240902	Soil	9/2/24	1310	3.5	C	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CSB-103-3.5-20240902	Soil	9/2/24	1325	3.5	C	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CSB-103-3.5-20240902	Soil	9/2/24	1340	3.5	C	1	X	X	X	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 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 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.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>AW</i>	<i>AW</i>	9/5/24 800	<i>AW</i>	<i>AW</i>	9/12/24 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) 988-3189
Little Rock, AR (501) 224-0600

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
(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.

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1600		1250	2729		mg/Kg		91	90 - 110	0	20

Eurofins Midland

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

Lab Sample ID: 880-46842-1

Date Collected: 08/02/24 08:50

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			5.04 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

Lab Sample ID: 880-46842-2

Date Collected: 08/02/24 09:05

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			5.04 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

Lab Sample ID: 880-46842-3

Date Collected: 08/02/24 09:20

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 04:50	CH	EET MID

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

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

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
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

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
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

Eurofins Midland

Lab Chronicle

Client: AECOM
Project/Site: Amoco Site

Job ID: 880-46842-2
SDG: Loving, NM

Client Sample ID: CSB-090-3.5-20240802
Date Collected: 08/02/24 12:55
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-7
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	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
Date Collected: 08/02/24 13:10
Date Received: 08/05/24 08:00

Lab Sample ID: 880-46842-8
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	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
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
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
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
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
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
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

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

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) 585-3443, Lubbock, TX (806) 794-1286
Hobbs, NM (575) 382-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5080

Chain of Custody

Little Rock, AR (501) 224-5060

Wor

880-46842 Chain of Custody



Page 7 of 2

Project Manager:	Brad Wymc		Bill to: (if different)	
Company Name:	AECOM		Company Name:	
Address:	13355 ADELAIDE Rd Suite 400		Address:	
City, State ZIP:	Dallas, TX 75240		City, State ZIP:	
Phone:	214-971-1929	Email:	Bradley.Wymc@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:				Ameco CTB		Tum Around		Pres. Code		ANALYSIS REQUEST										Preservative Codes							
Project Number:				60734237		☐ Routine ☒ Rush <th colspan="2"></th> <th colspan="2"></th> <th colspan="2"></th> <th colspan="2"></th> <th colspan="2"></th> <th colspan="2">None: NO</th> <th colspan="2">DI Water: H₂O</th>												None: NO		DI Water: H ₂ O							
Project Location:				LOUING, NM		Due Date:		4 hrs										Cool: Cool		MeOH: Me							
Sampler's Name:				S. Passmore		TAT starts the day received by the lab, if received by 4:30pm												HCL: HC		HNO ₃							
PO #:								<th colspan="2"></th> <th colspan="2"></th> <th colspan="2"></th> <th colspan="2"></th> <th colspan="2">H₂SO₄: H₂</th> <th colspan="2">NaOH: Na</th>										H ₂ SO ₄ : H ₂		NaOH: Na							
SAMPLE RECEIPT				Temp Blank:		Yes ☒ No ☐		Wet Ice:		Yes ☒ No ☐		Parameters										H ₃ PO ₄ : HP					
Samples Received Inact:				☒ Yes ☐ No		Thermometer ID:																NaHSO ₄ : NABIS					
Cooler Custody Seals:				Yes No ☒ N/A		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:				Yes No ☒ N/A		Temperature Reading:		0.98														Zn Acetate+NaOH: Zn					
Total Containers:						Corrected Temperature:		0.7														NaOH+Ascorbic Acid: SAPC					
Sample Identification				Matrix		Date Sampled		Time Sampled		Depth		Grab/Comp		# of Cont												Sample Comments	
CSD-080-3.0-2040902 soil				soil		9/2/14		0850		3.0		C		1		X										X	
CSD-081-3.0-2040904 soil				soil		9/2/14		0905		3.0		C		1		X										X	
CSD-094-3.0-2040904 soil				soil		9/2/14		0910		3.0		C		1		X										X	
CSD-099-3.0-2040909 soil				soil		9/2/14		0935		3.0		C		1		X										X	
CSD-099-3.0-2040909 soil				soil		9/2/14		1015		3.0		C		1		X										X	
CSD-105-3.0-2040909 soil				soil		9/2/14		1100		3.0		C		1		X										X	
CSD-090-3.5-2040902 soil				soil		9/2/14		1255		3.5		C		1		X										X	
CSD-099-3.5-2040904 soil				soil		9/2/14		1310		3.5		C		1		X										X	
CSD-097-3.5-2040904 soil				soil		9/2/14		1325		3.5		C		1		X										X	
CSD-103-3.5-2040902 soil				soil		9/2/14		1340		3.5		C		1		X										X	

Notas: Signatura de este document i el subministrament d'amples constitueix un v lid purchase order from client company to Eurofins Xenofo, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenofo 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 Xenofo. A minimum charge of \$35.00 will be applied to each project and a charge of \$3 for each sample submitted to Eurofins Xenofo, but not analyzed. These terms will be enforced unless previously negotiated.

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 ₂ 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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	<i>[Signature]</i>	<i>[Signature]</i>	8/21/14 8:00			
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) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3189
Little Rock, AR (501) 224-5060

Chain of Custody

Work Order No:

7652

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: 880-46842-2

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



Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Generated
8/8/2024 12:41:26 PM
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.

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/06/24 22:12	1

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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**Lab Sample ID: 880-46890-5****Date Collected: 08/05/24 11:30****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			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**Lab Sample ID: 880-46890-6****Date Collected: 08/05/24 11:45****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			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**Lab Sample ID: 880-46890-7****Date Collected: 08/05/24 12:00****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			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**Lab Sample ID: 880-46890-8****Date Collected: 08/05/24 12:25****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			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**Lab Sample ID: 880-46890-9****Date Collected: 08/05/24 13:20****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			4.98 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**Lab Sample ID: 880-46890-10****Date Collected: 08/05/24 13:40****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			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)	Work Order Comments
Company Name: AECOM	Company Name:	Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
Address: 15355 Noel Rd Suite 400	Address:	State of Project: NM
City, State ZIP: Dallas, TX 75240	City, State ZIP:	Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Phone: 214-971-1829	Email: brad@wynnec.com	Deliverables: EDD ☒ ADAPT ☐ Other:

SAMPLE RECEIPT		Turn Around		Parameters		ANALYSIS REQUEST		Preservative Codes	
Samples Received Intact: Yes ☒ No ☐	Temp Blank: Yes ☐ No ☒	Wet Ice: Yes ☐ No ☒	Thermometer ID: 175	Due Date: 24 hr	TAT starts the day received by the lab, if received by 4:30pm	Priority Code	Turn Around	None: NO	DI Water: H ₂ O
Cooler Custody Seals: Yes ☐ No ☒	Correction Factor: N/A	Temperature Reading: 1.3	Corrected Temperature: 1.2					Cool: Cool	MeOH: Me
Sample Custody Seals: Yes ☐ No ☒								HCL: HC	HNO ₃
Total Containers: 1								H ₂ SO ₄ : H ₂	NaOH: Na
								H ₃ PO ₄ : HP	
								NaHSO ₄ : NABIS	
								Na ₂ S ₂ O ₃ : NaSO ₃	
								Zn Acetate+NaOH: Zn	
								NaOH+Ascorbic Acid: SAPC	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
C5B-040-3.5-104045	soil	8/5/24	0940	3.5	C	1	Chlorides-24 hr			
C5B-041-3.5-104045	soil	9/5/24	0955	3.5	C	1	BTEX-3 days			
C5B-042-3.5-104045	soil	9/5/24	1010	3.5	C	1	TPH-3 days			
C5B-045-4.0-104045	soil	9/5/24	1115	4.0	C	1				
C5B-046-4.0-104045	soil	9/5/24	1130	4.0	C	1				
C5B-06-0-2-104045	soil	9/5/24	1145	0-2	C	1				
C5B-069-4.0-104045	soil	9/5/24	1200	4.0	C	1				
C5B-077-4.0-104045	soil	9/5/24	1225	4.0	C	1				
C5B-07-0-2-104045	soil	9/5/24	1320	0-2	C	1				
C5B-109-4.0-104045	soil	9/5/24	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 ₂ 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>Brad Wynn</i>	<i>Brad Wynn</i>	8/5/24 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) 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 RIVERSIDE RD		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		☐ Routine ☒ 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	
Samples Received Intact:		Yes		No		Thermometer ID:		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:		Yes		No		N/A		Corrected Temperature:		Yes		No	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CASB-109-4.0-204078501	Soil	9/5/24	1355	4.0	C	1	Chlorides - 24 hr			None: NO	DI Water: H ₂ O
CASB-09-0.2-204078501	Soil	9/5/24	1415	0-2	C	1	BTEX - 3 days			Cool: Cool	MeOH: Me
CASB-04-0.2-204078501	Soil	9/5/24	1435	0-2	C	1	TPH - 3 days			HCL: HC	HNO ₃
CASB-060-3.5-204078501	Soil	9/5/24	0755	3.5	C	1				H ₂ SO ₄ : H ₂	NaOH: Na
CASB-09-0.2-204078501	Soil	9/13/24	1705	0-2	C	1				H ₃ PO ₄ : HP	
CASB-097-4.0-204078501	Soil	9/5/24	1510	4.0	C	1				NaHSO ₄ : NABIS	
CASB-069-4.0-204078501	Soil	9/5/24	1615	4.0	C	1				Na ₂ S ₂ O ₃ : NaSO ₃	
										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 ₂ 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	2		
3			4		
5			6		

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 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 8/9/2024 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
(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

Eurofins Midland

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

Eurofins Midland

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 (70-130)	DFBZ1 (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
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 (70-130)	OTPH1 (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
Surrogate Legend			
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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	MB 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	%Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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	%Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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	%Recovery	LCSD 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 Result	MB 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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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 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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: NM	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☒ ADAPT ☐ Other:	

Project Name:	Amaco CTB	Turn Around		ANALYSIS REQUEST	Preservative Codes
Project Number:	60734207	☐ Routine ☒ 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:			
Cooler Custody Seals:	Yes ☐ No ☒	Correction Factor:			
Sample Custody Seals:	Yes ☐ No ☒	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 ₂ 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
(432)704-5440

Generated
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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: NM	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☒ ADAPT ☐ Other:	

Project Name:	Amaco CTB	Turn Around	
Project Number:	60734207	☐ Routine ☒ 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)	Parameters	
Samples Received Intact:	Yes (No)	Chlorides - 24 hr	
Cooler Custody Seals:	Yes (No) N/A	BTEX - 3 days	
Sample Custody Seals:	Yes (No) N/A	TPH - 3 days	
Total Containers:	Yes (No) N/A		
Corrected Temperature:	22.2		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Preservative Codes
CSB-14-4.0-20240802	Soil	8/6/24	0905	4.0	C	1	None: NO DI Water: H ₂ O
CSB-3-4.0-20240802	Soil	8/6/24	0940	4.0	C	1	Cool: Cool MeOH: Me
CSB-24-4.0-20240802	Soil	8/6/24	1030	4.0	C	1	HCL: HC HNO ₃
CSA-19-6.0-20240802	Soil	8/6/24	1045	6.0	C	1	H ₂ SO ₄ : H ₂ NaOH: Na
CSW-13-0-3-20240802	Soil	8/6/24	1440	0-3	C	1	H ₃ PO ₄ : HP
CSB-20-4.0-20240802	Soil	8/6/24	1615	4.0	C	1	NaHSO ₄ : NABIS

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 ₂ 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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
M. A. AECOM	[Signature]	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
(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
Date Collected: 08/08/24 07:45
Date Received: 08/09/24 08:00

Lab Sample ID: 880-47072-2
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		08/09/24 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
Date Collected: 08/08/24 11:00
Date Received: 08/09/24 08:00

Lab Sample ID: 880-47072-8
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		08/09/24 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

Eurofins Midland

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 (70-130)	DFBZ1 (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 (70-130)	OTPH1 (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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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	

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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

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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:	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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: NM	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☒ ADAPT ☐ Other:	

Project Name:	AMACO CTS	Tum Around	☐ Routine ☒ 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 (No) Wet Ice: Yes (No)	Thermometer ID:	188		
Samples Received Intact:	Yes (No) N/A	Correction Factor:			
Cooler Custody Seals:	Yes (No) N/A	Temperature Reading:	3.9		
Sample Custody Seals:	Yes (No) N/A	Corrected Temperature:	3.3		
Total Containers:					

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab Comp	# of Cont	Parameters
CSB-090-4.0-20240808 Soil	Soil	8/8/24	0930	4.0	C	1	Chlorides - 24 hr
CSB-022-10.0-20240808 Soil	Soil	8/8/24	0945	10.0	C	1	BTEX - 3 days
CSB-009-5.0-20240808 Soil	Soil	8/8/24	0830	5.0	C	1	TPH - 3 days
CSB-068-5.0-20240808 Soil	Soil	8/8/24	0850	5.0	C	1	
CSB-095-5.0-20240808 Soil	Soil	8/8/24	1000	5.0	C	1	
CSB-097-5.0-20240808 Soil	Soil	8/8/24	1010	5.0	C	1	
CSB-086-5.0-20240808 Soil	Soil	8/8/24	1025	5.0	C	1	
CSB-037-4.0-20240808 Soil	Soil	8/8/24	1130	4.0	C	1	
CSB-104-4.5-20240808 Soil	Soil	8/8/24	1140	4.5	C	1	
CSW-07-0-3-20240808 Soil	Soil	8/8/24	1210	0-3	C	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 ₂	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> - AECOM	<i>[Signature]</i> 8/9/24	0805	2 <i>[Signature]</i>		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) 784-1286
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:	214-971-1819	Email:	Bradley.Wynne@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:	ANEXO CTD	Turn Around	Prep. Code	ANALYSIS REQUEST																Preservative Codes			
Project Number:	60734207	☐ Routine ☒ Rush																		None: NO	DI Water: H ₂ O		
Project Location:	Loving NM	Due Date:	24hr																	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 ₃		
PO #:																				H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No																	H ₃ PO ₄ : HP	
Samples Received Intact:		Yes No	Thermometer ID:																	NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes No	Correction Factor:																	Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes No	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-24 hr	BTEX-3 days	TPH-3 days	Other	Sample Comments
CSB-098-4.0-20240808 Soil	Soil	8/8/24	1235	4.0	C	1	X				
CSB-088-4.0-20240808 Soil	Soil	8/8/24	1245	4.0	C	1	X				
CSB-103-4.0-20240808 Soil	Soil	8/8/24	1255	4.0	C	1	X				
CSB-080-4.0-20240808 Soil	Soil	8/8/24	1305	4.0	C	1	X				
CSB-097-4.0-20240808 Soil	Soil	8/8/24	1315	4.0	C	1	X				
CSB-081-4.0-20240808 Soil	Soil	8/8/24	1325	4.0	C	1	X				
CSB-105-4.0-20240808 Soil	Soil	8/8/24	1335	4.0	C	1	X				
CSB-091-4.0-20240808 Soil	Soil	8/8/24	1345	4.0	C	1	X				
CSB-060-5.0-20240808 Soil	Soil	8/8/24	1355	5.0	C	1	X				
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 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

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
		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) 988-3199
Little Rock, AR (501) 224-0660

Chain of Custody

Work Order No:

707e

Page 3 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:	214-921-1927	Email:	bradley.wyne@aecom.com	

Work Order Comments	
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: NJ NJ	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☒ ADaPT ☐ Other: _____	

Project Name:		Ameca CTB		Turn Around				Pres. Code		ANALYSIS REQUEST										Preservative Codes	
Project Number:		60734207		☐ Routine ☒ Rush														None: NO		DI Water: H ₂ 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 ₃	
PO #:																		H ₂ SO ₄ : H ₂		NaOH: Na	
SAMPLE RECEIPT		Temp Blank:		Yes		No		Thermometer ID:										H ₃ PO ₄ : HP			
Samples Received Intact:		Yes		No				Correction Factor:										NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes		No		N/A		Temperature Reading:										Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes		No		N/A		Corrected Temperature:										Zn Acetate+NaOH: Zn			
Total Containers:																		NaOH+Ascorbic Acid: SACP			

[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 ₂ 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

Signature of this document of reimbursement 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's staff whose losses are due to circumstances beyond the control of Eurofins Xeno. A maximum charge of \$50.00 will be applied to each project 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	<i>[Signature]</i>	5/8/24 16:30	2		
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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
(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

Eurofins Midland

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.

Eurofins Midland

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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	MB 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

Eurofins Midland

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

- 1
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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:	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/PRP	PRP
State of Project: NM	
Reporting: Level II	☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD	☒ ADAPT ☐ Other:

Project Name:	Amoco CTS	Tum Around	☐ Routine ☒ 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 (No) Wet Ice: Yes (No)	Thermometer ID: 188			
Samples Received Intact:	Yes (No) N/A	Correction Factor:			
Cooler Custody Seals:	Yes (No) N/A	Temperature Reading:	3.9		
Sample Custody Seals:	Yes (No) N/A	Corrected Temperature:	3.3		
Total Containers:					

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab Comp	# of Cont	Parameters
CSB-090-4.0-20240808 Soil	Soil	8/8/24	0930	4.0	C	1	Chlorides - 24 hr
CSB-022-10.0-20240808 Soil	Soil	8/8/24	0945	10.0	C	1	BTEX - 3 days
CSB-009-5.0-20240808 Soil	Soil	8/8/24	0830	5.0	C	1	TPH - 3 days
CSB-068-5.0-20240808 Soil	Soil	8/8/24	0850	5.0	C	1	
CSB-095-5.0-20240808 Soil	Soil	8/8/24	1000	5.0	C	1	
CSB-097-5.0-20240808 Soil	Soil	8/8/24	1010	5.0	C	1	
CSB-086-5.0-20240808 Soil	Soil	8/8/24	1025	5.0	C	1	
CSB-037-4.0-20240808 Soil	Soil	8/8/24	1130	4.0	C	1	
CSB-104-4.5-20240808 Soil	Soil	8/8/24	1140	4.5	C	1	
CSW-07-0-3-20240808 Soil	Soil	8/8/24	1210	0-3	C	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 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

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>	8/9/24 0805	2 <i>[Signature]</i>	<i>[Signature]</i>	8/9/24 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) 784-1286
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	☐ RRP ☐ Brownfields ☐ RRC ☐ Superfund
State of Project:	NM
Reporting: Level II	☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV
Deliverables: EDD	☒ ADAPT ☐ Other:

Project Name:	ANEXO CTD	Turn Around	☐ Routine ☒ 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															
CSB-098-4.0-20240808 Soil	Soil	8/8/24	1235	4.0	C	1	X	Chlorides-24 hr														
CSB-088-4.0-20240808 Soil	Soil	8/8/24	1245	4.0	C	1	X	BTEX-3 days														
CSB-103-4.0-20240808 Soil	Soil	8/8/24	1255	4.0	C	1	X	TPH-3 days														
CSB-080-4.0-20240808 Soil	Soil	8/8/24	1305	4.0	C	1	X															
CSB-097-4.0-20240808 Soil	Soil	8/8/24	1315	4.0	C	1	X															
CSB-081-4.0-20240808 Soil	Soil	8/8/24	1325	4.0	C	1	X															
CSB-105-4.0-20240808 Soil	Soil	8/8/24	1335	4.0	C	1	X															
CSB-091-4.0-20240808 Soil	Soil	8/8/24	1345	4.0	C	1	X															
CSB-060-5.0-20240808 Soil	Soil	8/8/24	1355	5.0	C	1	X															
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	Pb	Mn	Mo	Ni	K	Se	Ag	SiO ₂	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
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) 224-0600

Chain of Custody

Work Order No:

707e

Page 3 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:	214-921-1927	Email:	bradley.wyne@aecom.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project: **N** **N**

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		☐ Routine ☒ Rush												None: NO		DI Water: H ₂ 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 ₃	
PO #:																H ₂ SO ₄ : H ₂		NaOH: Na	
SAMPLE RECEIPT		Temp Blank:		Yes		No		Wet Ice:		Yes		No				H ₃ PO ₄ : HP			
Samples Received Intact:		Yes		No				Thermometer ID:								NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes		No		N/A		Correction Factor:								Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes		No		N/A		Temperature Reading:								Zn Acetate+NaOH: Zn			
Total Containers:								Corrected Temperature:								NaOH+Ascorbic Acid: SAPC			
Parameters								Pres. Code											
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 ₂ 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 presente documento de cumplimiento de muestras constituye un válido pedido de compra por Eurofins Xeno, sus filiales y subcontratistas. Asigna términos y condiciones de servicio. Eurofins Xeno no será responsable por los costos de muestras y no asumirá ninguna responsabilidad por cualquier pérdida o daño causado por el cliente si tales pérdidas o daños son debidos a circunstancias fuera del control de Eurofins Xeno. Un mínimo de \$65.00 será aplicado a cada muestra y un cargo de \$5 por cada muestra enviada a Eurofins Xeno, pero no enviada. Estos términos serán aplicados a menos que se especifique lo contrario en el momento de la recolección de la muestra.

	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						
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Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47072-2

SDG Number: Loving, NM

Login Number: 47072

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 8/14/2024 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
8/14/2024 11:58:46 AM

Authorized for release by
Jessica Kramer, Project Manager
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

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

Eurofins Midland

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

Eurofins Midland

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

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) (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

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: 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

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: 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

Lab Sample ID: 880-47112-7

Date Collected: 08/09/24 14:30

Matrix: Solid

Date Received: 08/10/24 08:00

Sample Depth: 10.3

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 (70-130)	DFBZ1 (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 (70-130)	OTPH1 (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			

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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)

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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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						
1-Chlorooctane	120		70 - 130						
o-Terphenyl	110		70 - 130						

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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1072		mg/Kg		107	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1097		mg/Kg		110	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	1000	1008		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	24.7	J	1000	1052		mg/Kg		103	70 - 130

	MS	MS	
Surrogate	%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 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	998.6		mg/Kg		100	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	24.7	J	1000	1027		mg/Kg		100	70 - 130	2	20

	MSD	MSD	
Surrogate	%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	

Eurofins Midland

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

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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

Work Order Comments	
Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: <i>NM</i>	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☒ ADAPT ☐ Other:	

Project Manager: <i>Brad Wynn</i>	Bill to: (if different)
Company Name: <i>AECOM</i>	Company Name:
Address: <i>13355 Noel Rd Suite 400</i>	Address:
City, State ZIP: <i>Dallas, TX 75240</i>	City, State ZIP:
Phone: <i>214-971-1829</i>	Email: <i>Bradley.wynn@aecom.com</i>

Project Name: <i>Amoco CTB</i>		Turn Around		Free Code		ANALYSIS REQUEST		Preservative Codes	
Project Number: <i>60734207</i>	☐ Routine ☒ Rush	Due Date: <i>24 hr</i>						None: NO DI Water: H ₂ O	
Project Location: <i>Loving NM</i>	TAT starts the day received by the lab, if received by 4:30pm								Cool: Cool MeOH: Me
Sampler's Name: <i>J. Passmore</i>									HCL: HC HNO ₃
PO #:									H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT		Temp Blank: Yes ☒ No ☐	Wet Ice: Yes ☒ No ☐					H ₃ PO ₄ : HP	
Samples Received Intact: Yes ☒ No ☐		Thermometer ID: <i>12.5</i>							NaHSO ₄ : NABIS
Cooler Custody Seals: Yes ☒ No ☐		Correction Factor: <i>1.1</i>							Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals: Yes ☒ No ☐		Temperature Reading: <i>4.9</i>							Zn Acetate+NaOH: Zn
Total Containers: <i>4.8</i>		Corrected Temperature: <i>4.8</i>							NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Free Code
<i>CSB-014-4.5-20240809 soil</i>		<i>8/9/24</i>	<i>0735</i>	<i>4.5</i>	<i>C</i>	<i>1</i>	<i>Chlorides - 24 hr</i>	
<i>CSB-014-0.4-20240809 soil</i>		<i>8/9/24</i>	<i>0750</i>	<i>0.4</i>	<i>C</i>	<i>1</i>	<i>BTEX - 3 days</i>	
<i>CSB-030-4.35-20240809 soil</i>		<i>8/9/24</i>	<i>0845</i>	<i>4.35</i>	<i>C</i>	<i>1</i>	<i>TPH - 3 days</i>	
<i>CSB-01-10.15-20240809 soil</i>		<i>8/9/24</i>	<i>0910</i>	<i>10.15</i>	<i>C</i>	<i>1</i>		
<i>CSW-015-0-2.0-20240809 soil</i>		<i>8/9/24</i>	<i>1400</i>	<i>0.2</i>	<i>C</i>	<i>1</i>		
<i>CSB-017-2.5-20240809 soil</i>		<i>8/9/24</i>	<i>1415</i>	<i>2.5</i>	<i>C</i>	<i>1</i>		
<i>CSB-020-10.3-20240809 soil</i>		<i>8/9/24</i>	<i>1430</i>	<i>10.3</i>	<i>C</i>	<i>1</i>		
<i>CSB-031-4.35-20240809 soil</i>		<i>8/9/24</i>	<i>1440</i>	<i>4.35</i>	<i>C</i>	<i>1</i>		

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 ₂ 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>	<i>8/9/24 1630</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

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 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
Jessica.Kramer@et.eurofinsus.com
(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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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	
Project Number: 60734207		☐ Routine ☒ Rush	
Project Location: Livingston 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				Parameters		Free Code	# of Cont	Grab/Comp	Time Sampled	Date Sampled	Matrix	Sample Identification
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	Free Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CGB-014-4.5-20240809 SOI		8/9/24	0735	4.5	C	1			None: NO	DI Water: H ₂ O
CGB-014-0.4-20240809 SOI		8/9/24	0750	0.4	C	1			Cool: Cool	MeOH: Me
CGB-030-4.35-20240809 SOI		8/9/24	0845	4.35	C	1			HCL: HC	HNO ₃
CGB-01-10.15-20240809 SOI		8/9/24	0910	10.15	C	1			H ₂ SO ₄ : H ₂	NaOH: Na
CSW-015-0-2.0-20240809 SOI		8/9/24	1400	2.2	C	1			H ₃ PO ₄ : HP	
CGB-017-2.5-20240809 SOI		8/9/24	1415	2.5	C	1			NaHSO ₄ : NABIS	
CGB-020-10.3-20240809 SOI		8/9/24	1430	10.3	C	1			Na ₂ S ₂ O ₃ : NaSO ₃	
CGB-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 ₂ 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
(432)704-5440

Generated
8/14/2024 2:06:36 PM
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.

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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-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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	MB 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

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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

Eurofins Midland

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**Lab Sample ID: 880-47184-1****Date Collected: 08/12/24 10:24****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			5.04 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**Lab Sample ID: 880-47184-2****Date Collected: 08/12/24 10:26****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		1	50 mL	50 mL	88264	08/13/24 11:50	CH	EET MID

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**

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**Lab Sample ID: 880-47184-4****Date Collected: 08/12/24 10:30****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 12:02	CH	EET MID

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**

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**Lab Sample ID: 880-47184-6****Date Collected: 08/12/24 11:50****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 12:26	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: 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**

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**Lab Sample ID: 880-47184-8****Date Collected: 08/12/24 12:00****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		1	50 mL	50 mL	88264	08/13/24 12:38	CH	EET MID

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**

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**Lab Sample ID: 880-47184-10****Date Collected: 08/12/24 12:04****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			4.97 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**Lab Sample ID: 880-47184-11****Date Collected: 08/12/24 12:20****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			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**Lab Sample ID: 880-47184-12****Date Collected: 08/12/24 12:22****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			5.02 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

Eurofins Midland

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
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 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: BRAD WYNNÉ	Bill to: (if different)	Work Order Comments	
Company Name: AECOM	Company Name:	Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
Address: 13555 NOEL RD., STE. 400	Address:	State of Project: NEW MEXICO	
City, State ZIP: DALLAS TX 75240	City, State ZIP:	Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Phone: 214-971-1829	Email: bradley.wynne@aecom.com	Deliverables: EDD ☒ ADAPT ☐ Other:	

Project Name: Ameco CTR	Turn Around	ANALYSIS REQUEST		Preservative Codes
Project Number: 60734207	☐ Routine ☒ Rush	Pres. Code		None: NO DI Water: H ₂ O
Project Location: Lovington, New Mexico	Due Date:			Cool: Cool MeOH: Me
Sampler's Name: B. C. Lind, J. Godwin	TAT starts the day received by the lab, if received by 4:30pm			HCL: HC HNO ₃
PO #:				H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT				H ₃ PO ₄ : HP
Samples Received Intact: Yes ☒ No ☐	Temp Blank: Yes ☒ No ☐			NaHSO ₄ : NABIS
Cooler Custody Seals: Yes ☒ No ☐	Thermometer ID: 1			Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals: Yes ☒ No ☐	Correction Factor: 4.7			Zn Acetate+NaOH: Zn
Total Containers: 4.7	Temperature Reading: 4.7			NaOH+Ascorbic Acid: SAPC
	Corrected Temperature: 4.7			

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 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)	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	8/13/24 8:00
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) 784-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
 Little Rock, AR (501) 224-5060

Environment Testing

Work Order No:

47184

Page 2 of 3

Project Manager: BRAD WYNNE		Bill to: (if different)		Work Order Comments	
Company Name: AECOM		Company Name:		Program: ☐ PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
Address: 13355 NOEL RD. STE. 400		Address:		State of Project: NEW MEXICO	
City, State ZIP: DALLAS, TX 75240		City, State ZIP:		Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Phone: 214-971-1829		Email: bradley.wynne@aecom.com		Deliverables: EDD ☒ ADAPT ☐ Other:	

ANALYSIS REQUEST				Preservative Codes	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp
CSB-108-5.25-20240817	So.1	8/12/24	12:20	5.25	C
CSB-109-5.25-20240817	So.1	8/12/24	12:22	5.25	C
CSW-02-0-3-20240817	So.1	8/12/24	12:24	0-3	C
CSB-068-5.25-20240817	So.1	8/12/24	14:06	5.25	C
CSB-069-4.5-20240817	So.1	8/12/24	14:08	4.5	C
CSB-077-5.25-20240817	So.1	8/12/24	14:10	5.25	C
CSB-086-5.25-20240817	So.1	8/12/24	14:20	5.25	C
CSB-095-5.25-20240817	So.1	8/12/24	14:22	5.25	C
CSB-017-4.0-20240817	So.1	8/12/24	15:48	4.0	C
CSW-15-0-3-20240817	So.1	8/12/24	16:04	0-3	C

SAMPLE RECEIPT		Temp Blank:		Yes		No		Wet Ice:		Yes		No	
Samples Received Intact:		Yes		No		Thermometer ID:		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:		Yes		No		N/A		Corrected Temperature:		Yes		No	
Parameters: Pres. Code: Rush ☒ Due Date: 8/12/24 TAT starts the day received by the lab, if received by 4:30pm													
Sample Comments: CHLORIDE - SAME TAT													

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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) 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

Work Order No:

Page 3 of 3

[illegible]

Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47184-1

SDG Number: Loving, New Mexico

Login Number: 47184

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 8/15/2024 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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8/15/2024 1:03:48 PM

Authorized for release by
Jessica Kramer, Project Manager
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.

Eurofins Midland

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

Eurofins Midland

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

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 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

Lab Sample ID: 880-47215-7

Date Collected: 08/13/24 12:10

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 14:33	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 (70-130)	DFBZ1 (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
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 (70-130)	OTPH1 (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
Surrogate Legend			
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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 88413

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

Eurofins Midland

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

Eurofins Midland

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	

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

Page 1 of 1

Project Manager: BRAD WYNNE		Bill to: (if different)	
Company Name: AECOM		Company Name:	
Address: 13355 NDEL RD, STE 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	Pres. Code	ANALYSIS REQUEST		Preservative Codes
Project Number: 60734207	☐ Routine ☒ Rush				None: NO DI Water: H ₂ O
Project Location: Louise, New Mexico	Due Date:				Cool: Cool MeOH: Me
Sampler's Name: B. Cloud, J. Gutierrez	TAT starts the day received by the lab, if received by 4:30pm				HCL: HC HNO ₃
PO #:					H ₂ SO ₄ : H ₂ NaOH: Na

SAMPLE RECEIPT		Temp Blank: Yes (No) ☒ No		Wet Ice: Yes (No) ☒ No	
Samples Received Intact: Yes (No) ☒ No		Thermometer ID: 118			
Cooler Custody Seals: Yes (No) ☒ No		Correction Factor: 0.7			
Sample Custody Seals: Yes (No) ☒ No		Temperature Reading: 0.7			
Total Containers: 6		Corrected Temperature: 0.6			

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 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

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>		
3	2		
5	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
(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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

Eurofins Midland

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

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



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: BRAD WYNNE		Bill to: (if different)	
Company Name: AECOM		Company Name:	
Address: 13355 NDEL RD, STE 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: ☐ Routine ☒ Rush
Project Number: 60734207	Due Date:
Project Location: Louise, New Mexico	TAT starts the day received by the lab, if received by 4:30pm
Sampler's Name: B. Cloud, J. Gutierrez	
PO #:	

SAMPLE RECEIPT		Temp Blank: Yes ☒ No ☐	Wet Ice: Yes ☐ No ☒
Samples Received Intact: Yes ☒ No ☐		Thermometer ID: 189	
Cooler Custody Seals: Yes ☒ No ☐		Correction Factor:	
Sample Custody Seals: Yes ☒ No ☐		Temperature Reading: 0.7	
Total Containers:		Corrected Temperature: 0.6	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	Parameters		# of Cont
						Pres. Code	Code	
CSW-16-0-3-20240813	Soil	8/13/24	11:00	0-3	C	1		1
CSW-16-10-0-3-20240813	Soil	8/13/24	11:00	0-3	C	1		1
CSW-17-0-3-20240813	Soil	8/13/24	11:08	0-3	C	1		1
CSB-010-4-0-20240813	Soil	8/13/24	11:10	4-0	C	1		1
CSB-011-4-0-20240813	Soil	8/13/24	12:02	4-0	C	1		1
CSB-012-3-0-20240813	Soil	8/13/24	12:06	3-0	C	1		1
CSB-013-3-0-20240813	Soil	8/13/24	12:10	3-0	C	1		1

ANALYSIS REQUEST		PRESERVATIVE CODES	
CHLORIDE - SAME DAY	TPH - 2 DAY TAT	None: NO	DI Water: H ₂ O
BTEX - 2 DAY TAT		Cool: Cool	MeOH: Me
		HCL: HC	HNO ₃
		H ₂ SO ₄ : H ₂	NaOH: Na
		H ₃ PO ₄ : HP	
		NaHSO ₄ : NABIS	
		Na ₂ S ₂ O ₃ : NaSO ₃	
		Zn Acetate+NaOH: Zn	
		NaOH+Ascorbic Acid: SAPC	

Work Order Comments	
Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: NEW MEXICO	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☒ ADAPT ☐ Other:	

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

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
5			

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
(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	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		08/15/24 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	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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	LCS	LCS	Limits						
	%Recovery	Qualifier							
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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
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	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
	Result	Qualifier									
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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- 11
- 12
- 13
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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

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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		Routine		X Rush	
Due Date:		TAT starts the day received by the lab, if received by 4:30pm			
Temp Blank:		Yes No		Wet Ice: Yes No	
Thermometer ID:		N/A		Correction Factor: -1.5	
Cooler Custody Seals:		Yes No		Temperature Reading: 2.4	
Sample Custody Seals:		Yes No		Corrected Temperature: 2.3	
Total Containers:					

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code	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			None: NO	
CSB-104-6.0-20240814	So.1		14:08	6.0	C	1				Cool: Cool	
CSB-105-6.0-20240814	So.1		14:10	6.0	C	1				HCL: HC	
CSB-108-6.0-20240814	So.1		14:12	6.0	C	1				H ₂ SO ₄ : H ₂	
CSB-109-6.0-20240814	So.1		14:14	6.0	C	1				H ₃ PO ₄ : HP	
CSB-048-5.0-20240814	So.1		14:28	5.0	C	1				NaHSO ₄ : NABIS	
CSB-049-5.0-20240814	So.1		14:30	5.0	C	1				Na ₂ S ₂ O ₃ : NaSO ₃	
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		14:36	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 ₂ 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	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	<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
 Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334
 EL Paso, TX (915) 565-3443, Lubbock, TX (806) 784-1296
 Hobbs, NM (575) 382-7550, Carlsbad, NM (575) 988-3199
 Little Rock, AR (501) 224-5060

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:	Amoeb CTB	Turn Around	☐ Routine ☒ Rush	Pres. Code	
Project Number:	60734207				
Project Location:	Leasing 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	So.1	8/14/24	14:38	5.0	C	1	X		
CSB-077-60-20240814	So.1		15:10	6.0	C	1	X		
CSB-086-60-20240814	So.1		15:12	6.0	C	1	X		
CSB-095-60-20240814	So.1		15:14	6.0	C	1	X		
CSB-017-60-20240814	So.1		15:16	6.0	C	1	X		
CSB-020-130-20240814	So.1		15:18	13.0	C	1	X	X	
CSB-030-7.0-20240814	So.1		15:34	7.0	C	1	X		
CSB-060-7.0-20240814	So.1		15:36	7.0	C	1	X		
CSW-02-0-3-20240814	So.1		15:38	0-3	C	1	X		
CSW-05-0-3-20240814	So.1	✓	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 ₂ 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	5	6	

Revised Date: 08/25/2020 Rev. 2020.2



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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) 794-1286
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060

Work Order No:

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
(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.

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 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: 880-47262-A-1-C MS

Matrix: Solid

Analysis Batch: 88476

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	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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.9		mg/Kg		102	90 - 110	0	20

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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
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- 6
- 7
- 8
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- 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

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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		Bill to: (if different)	
Company Name: AECOM		Company Name:	
Address: 13355 NOEL RD, STE 400		Address:	
City, State ZIP: DALLAS, TX 75240		City, State ZIP:	
Phone: 214-971-1829		Email: bradley.wynne@aecom.com	

Project Name: Ameo CTR		Turn Around	
Project Number: 60734207		☐ Routine ☒ Rush	
Project Location: Long, New Mexico		Due Date:	
Sampler's Name: BRENT CLAND		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		☒ Yes		☒ No		☒ Yes		☒ No	
Cooler Custody Seals:				☒ Yes		☒ No		☒ Yes		☒ No		☒ Yes		☒ No	
Sample Custody Seals:				☒ Yes		☒ No		☒ Yes		☒ No		☒ Yes		☒ No	
Total Containers:				☒ Yes		☒ No		☒ Yes		☒ No		☒ Yes		☒ 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	
CSB-104-6.0-20240814	So.1		14:08	6.0	C	1			Cool: Cool	
CSB-105-6.0-20240814	So.1		14:10	6.0	C	1			HCL: HC	
CSB-108-6.0-20240814	So.1		14:12	6.0	C	1			H ₂ SO ₄ : H ₂	
CSB-109-6.0-20240814	So.1		14:14	6.0	C	1			H ₃ PO ₄ : HP	
CSB-048-5.0-20240814	So.1		14:28	5.0	C	1			NaHSO ₄ : NABIS	
CSB-049-5.0-20240814	So.1		14:30	5.0	C	1			Na ₂ S ₂ O ₃ : NaSO ₃	
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		14:36	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 ₂ 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
 Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334
 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	☐ Routine ☒ 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 RECEIPT				Parameters		# of Cont
Temp Blank:	Yes	No	Wet Ice:	Yes	No	
Samples Received Intact:	Yes	No	Thermometer ID:			
Cooler Custody Seals:	Yes	No	N/A			
Sample Custody Seals:	Yes	No	N/A			
Total Containers:			Corrected Temperature:			
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	
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 ₂ 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)
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
Date/Time	Date/Time	Date/Time	Date/Time
8/15/24 5:00	8/15/24 5:00		

Revised Date: 08/25/2020 Rev. 2020.2



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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) 898-3199
Little Rock, AR (501) 224-5060

Work Order No:

47269

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[illegible]

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



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Authorized for release by
Jessica Kramer, Project Manager
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.

Eurofins Midland

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

Eurofins Midland

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

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) (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

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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 (70-130)	DFBZ1 (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 (70-130)	OTPH1 (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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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 Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
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	LCS	Limits
	%Recovery	Qualifier	
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 Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
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	LCSD	Limits
	%Recovery	Qualifier	
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	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
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	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	08/16/24 08:00	08/16/24 08:29	1
o-Terphenyl	133	S1+	70 - 130	08/16/24 08:00	08/16/24 08:29	1

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	

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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

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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:

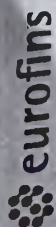
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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



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: BRAD WYNNE		Bill to: (if different)	
Company Name: AECOM		Company Name:	
Address: 13355 NOEL RD, STE. 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		☐ Routine ☒ Rush	
Project Location: Levi's New Mexico		Due Date:	
Sampler's Name: BRENT CLAND		TAT starts the day received by the lab, if received by 4:30pm	
PO #:		Wet los: ☒ Yes ☐ No	

SAMPLE RECEIPT				Temp Blank:		Yes		No		Thermometer ID:		Correction Factor:		Temperature Reading:		Corrected Temperature:	
Samples Received In tact:				☒ Yes ☐ No													
Foster Custody Seals:				☒ Yes ☐ No													
Sample Custody Seals:				☒ Yes ☐ No													
Total Containers:				☒ Yes ☐ No													

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grbl 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 ₂ 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 ₃
CSW-18-0-2-20240815	Soil		13:50	0-2	C	1		H ₂ SO ₄ : H ₂	NaOH: Na
CSW-19-0-2-20240815	Soil		13:52	0-2	C	1		H ₃ PO ₄ : HP	
CSW-09-0-2-20240815	Soil		15:40	0-2	C	1		NaHSO ₄ : NABIS	
CSW-08-0-2-20240815	Soil		15:42	0-2	C	1		Na ₂ S ₂ O ₃ : NaSO ₃	
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 ₂	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 ₂	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>	8/15/24			
3		4			
5		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
Jessica.Kramer@et.eurofinsus.com
(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

Eurofins Midland

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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	586	F1	249	795.8	F1	mg/Kg		85	90 - 110	0	20

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

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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

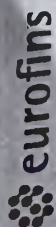
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Sample Summary

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 (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

Project Manager: BRAD WYNNE		Bill to: (if different)	
Company Name: AECOM		Company Name:	
Address: 13355 NOEL RD, STE. 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		☐ Routine ☒ Rush	
Project Location: Levi's New Mexico		Due Date:	
Sampler's Name: BRENT CLAND		TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT		Temp Blank: Yes (No) ☒ ()		Wet los: Yes (No) ☒ ()	
Samples Received In tact: Yes (No) ☒ ()		Thermometer ID: 185			
Foster Custody Seals: Yes (No) ☒ ()		Correction Factor: 3.1			
Sample Custody Seals: Yes (No) ☒ ()		Temperature Reading: 3.0			
Total Containers:		Corrected Temperature: 3.0			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	Parameters	Preservative Codes
CSB-003-410-20240815	Soil	8/15/24	13:46	4.0	C	CHLORIDE - SAME TAT	None: NO DI Water: H ₂ O
CSB-004-410-20240815	Soil		13:48	4.0	C	BTEX - 3 DAY TAT	Cool: Cool MeOH: Me
CSW-18-0-2-20240815	Soil		13:50	0-2	C	TPH - 3 DAY TAT	HCL: HC HNO ₃
CSW-18-0-2-20240815	Soil		13:50	0-2	C		H ₂ SO ₄ : H ₂ NaOH: Na
CSW-19-0-2-20240815	Soil		13:52	0-2	C		H ₃ PO ₄ : HP NaHSO ₄ : NABIS
CSW-09-0-2-20240815	Soil		15:40	0-2	C		Na ₂ S ₂ O ₃ : NaSO ₃
CSW-08-0-2-20240815	Soil		15:42	0-2	C		Zn Acetate+NaOH: Zn
CSW-07-0-3-20240815	Soil		15:44	0-3	C		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 ₂ 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: 880-47308-2
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



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8/19/2024 2:58:43 PM

Authorized for release by
Jessica Kramer, Project Manager
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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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

Eurofins Midland

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

- 1
- 2
- 3
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- 8
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- 10
- 11
- 12
- 13

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

Lab Sample ID: 880-47346-1

Date Collected: 08/16/24 14:40

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 10:41	CH	EET MID

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

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

Lab Sample ID: 880-47346-3

Date Collected: 08/16/24 14:44

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		5	50 mL	50 mL	88787	08/19/24 11:11	CH	EET MID

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

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

Lab Sample ID: 880-47346-5

Date Collected: 08/16/24 14:48

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 11:26	CH	EET MID

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

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

Eurofins Midland

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

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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-109-6.25-20240816	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
 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

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	CF																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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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 ₂ 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 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
<i>Bradley Wynne</i>	<i>Bradley Wynne</i>	8/19/24 5:00
3	4	6



eurofins

Chain of Custody

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 Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334
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 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
 Little Rock, AR (501) 224-5060

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: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
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 ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Phone: <u>214-971-1829</u>		Email: <u>bradley_wynne@aecom.com</u>		Deliverables: EDD ☒ ADAPT ☐ 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	15:28	6.25	C	1	1
CSB-108-6.25-20240816 So.1	15:30	6.25	C	1	1
CSB-109-6.25-20240816 So.1	15:32	6.25	C	1	1
CSW-05-0-3-20240816 So.1	15:54	0-3	C	1	1
CSB-010-5.5-20240816 So.1	16:20	5.5	C	1	1
CSB-011-5.5-20240816 So.1	16:22	5.5	C	1	1
CSB-012-5.5-20240816 So.1	16:24	5.5	C	1	1

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:					
CSB-104-6.25-20240816 So.1		8/16/24		15:26		6.25		C	
CSB-105-6.25-20240816 So.1		15:28		6.25		C		1	
CSB-108-6.25-20240816 So.1		15:30		6.25		C		1	
CSB-109-6.25-20240816 So.1		15:32		6.25		C		1	
CSW-05-0-3-20240816 So.1		15:54		0-3		C		1	
CSB-010-5.5-20240816 So.1		16:20		5.5		C		1	
CSB-011-5.5-20240816 So.1		16:22		5.5		C		1	
CSB-012-5.5-20240816 So.1		16:24		5.5		C		1	

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code
CSB-104-6.25-20240816 So.1		8/16/24	15:26	6.25	C	1	1	CHLORIDE - 5.46 DAY	Coil
CSB-105-6.25-20240816 So.1		15:28	6.25	C	1	1	1		
CSB-108-6.25-20240816 So.1		15:30	6.25	C	1	1	1		
CSB-109-6.25-20240816 So.1		15:32	6.25	C	1	1	1		
CSW-05-0-3-20240816 So.1		15:54	0-3	C	1	1	1		
CSB-010-5.5-20240816 So.1		16:20	5.5	C	1	1	1		
CSB-011-5.5-20240816 So.1		16:22	5.5	C	1	1	1		
CSB-012-5.5-20240816 So.1		16:24	5.5	C	1	1	1		

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code
CSB-104-6.25-20240816 So.1		8/16/24	15:26	6.25	C	1	1	CHLORIDE - 5.46 DAY	Coil
CSB-105-6.25-20240816 So.1		15:28	6.25	C	1	1	1		
CSB-108-6.25-20240816 So.1		15:30	6.25	C	1	1	1		
CSB-109-6.25-20240816 So.1		15:32	6.25	C	1	1	1		
CSW-05-0-3-20240816 So.1		15:54	0-3	C	1	1	1		
CSB-010-5.5-20240816 So.1		16:20	5.5	C	1	1	1		
CSB-011-5.5-20240816 So.1		16:22	5.5	C	1	1	1		
CSB-012-5.5-20240816 So.1		16:24	5.5	C	1	1	1		

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code
CSB-104-6.25-20240816 So.1		8/16/24	15:26	6.25	C	1	1	CHLORIDE - 5.46 DAY	Coil
CSB-105-6.25-20240816 So.1		15:28	6.25	C	1	1	1		
CSB-108-6.25-20240816 So.1		15:30	6.25	C	1	1	1		
CSB-109-6.25-20240816 So.1		15:32	6.25	C	1	1	1		
CSW-05-0-3-20240816 So.1		15:54	0-3	C	1	1	1		
CSB-010-5.5-20240816 So.1		16:20	5.5	C	1	1	1		
CSB-011-5.5-20240816 So.1		16:22	5.5	C	1	1	1		
CSB-012-5.5-20240816 So.1		16:24	5.5	C	1	1	1		

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code
CSB-104-6.25-20240816 So.1		8/16/24	15:26	6.25	C	1	1	CHLORIDE - 5.46 DAY	Coil
CSB-105-6.25-20240816 So.1		15:28	6.25	C	1	1	1		
CSB-108-6.25-20240816 So.1		15:30	6.25	C	1	1	1		
CSB-109-6.25-20240816 So.1		15:32	6.25	C	1	1	1		
CSW-05-0-3-20240816 So.1		15:54	0-3	C	1	1	1		
CSB-010-5.5-20240816 So.1		16:20	5.5	C	1	1	1		
CSB-011-5.5-20240816 So.1		16:22	5.5	C	1	1	1		
CSB-012-5.5-20240816 So.1		16:24	5.5	C	1	1	1		

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code
CSB-104-6.25-20240816 So.1		8/16/24	15:26	6.25	C	1	1	CHLORIDE - 5.46 DAY	Coil
CSB-105-6.25-20240816 So.1		15:28	6.25	C	1	1	1		
CSB-108-6.25-20240816 So.1		15:30	6.25	C	1	1	1		
CSB-109-6.25-20240816 So.1		15:32	6.25	C	1	1	1		
CSW-05-0-3-20240816 So.1		15:54	0-3	C	1	1	1		
CSB-010-5.5-20240816 So.1		16:20	5.5	C	1	1	1		
CSB-011-5.5-20240816 So.1		16:22	5.5	C	1	1	1		
CSB-012-5.5-20240816 So.1		16:24	5.5	C	1	1	1		

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code
CSB-104-6.25-20240816 So.1		8/16/24	15:26	6.25	C	1	1	CHLORIDE - 5.46 DAY	Coil
CSB-105-6.25-20240816 So.1		15:28	6.25	C	1	1	1		
CSB-108-6.25-20240816 So.1		15:30	6.25	C	1	1	1		
CSB-109-6.25-20240816 So.1		15:32	6.25	C	1	1	1		
CSW-05-0-3-20240816 So.1		15:54	0-3	C	1	1	1		
CSB-010-5.5-20240816 So.1		16:20	5.5	C	1	1	1		
CSB-011-5.5-20240816 So.1		16:22	5.5	C	1	1	1		
CSB-012-5.5-20240816 So.1		16:24	5.5	C	1	1	1		

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code
CSB-104-6.25-20240816 So.1		8/16/24	15:26	6.25	C	1	1	CHLORIDE - 5.46 DAY	Coil
CSB-105-6.25-20240816 So.1		15:28	6.25	C	1	1	1		
CSB-108-6.25-20240816 So.1		15:30	6.25	C	1	1	1		
CSB-109-6.25-20240816 So.1		15:32	6.25	C	1	1	1		
CSW-05-0-3-20240816 So.1		15:54	0-3	C	1	1	1		
CSB-010-5.5-20240816 So.1		16:20	5.5	C	1	1	1		
CSB-011-5.5-20240816 So.1		16:22	5.5	C	1	1	1		
CSB-012-5.5-20240816 So.1		16:24	5.5	C	1	1	1		

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code
CSB-104-6.25-20240816 So.1		8/16/24	15:26	6.25	C	1	1	CHLORIDE - 5.46 DAY	Coil
CSB-105-6.25-20240816 So.1		15:28	6.25	C	1	1	1		
CSB-108-6.25-20240816 So.1		15:30	6.25	C	1	1	1		
CSB-109-6.25-20240816 So.1		15:32	6.25	C	1	1	1		
CSW-05-0-3-20240816 So.1		15:54	0-3	C	1	1	1		
CSB-010-5.5-20240816 So.1		16:20	5.5	C	1	1	1		
CSB-011-5.5-20240816 So.1		16:22	5.5	C	1	1	1		
CSB-012-5.5-20240816 So.1		16:24	5.5	C	1	1	1		

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code
CSB-104-6.25-20240816 So.1		8/16/24	15:26	6.25	C	1	1	CHLORIDE - 5.46 DAY	Coil
CSB-105-6.25-20240816 So.1		15:28	6.25	C	1	1	1		
CSB-108-6.25-20240816 So.1		15:30	6.25	C	1	1	1		
CSB-109-6.25-20240816 So.1		15:32	6.25	C	1	1	1		
CSW-05-0-3-20240816 So.1		15:54	0-3	C	1	1	1		
CSB-010-5.5-20240816 So.1		16:20	5.5	C	1	1	1		
CSB-011-5.5-20240816 So.1		16:22	5.5	C	1	1	1		
CSB-012-5.5-20240816 So.1		16:24	5.5	C	1	1	1		

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code
CSB-104-6.25-20240816 So.1		8/16/24	15:26	6.25	C	1	1	CHLORIDE - 5.46 DAY	Coil
CSB-105-6.25-20240816 So.1		15:28	6.25	C	1	1	1		
CSB-108-6.25-20240816 So.1		15:30	6.25	C	1	1	1		
CSB-109-6.25-20240816 So.1		15:32	6.25	C	1	1	1		
CSW-05-0-3-20240816 So.1		15:54	0-3	C	1	1	1		
CSB-010-5.5-20240816 So.1		16:20	5.5	C	1	1	1		
CSB-011-5.5-20240816 So.1		16:22	5.5	C	1	1	1		
CSB-012-5.5-20240816 So.1		16:24	5.5	C	1	1	1		

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code
CSB-104-6.25-20240816 So.1		8/16/24	15:26	6.25	C	1	1	CHLORIDE - 5.46 DAY	Coil
CSB-105-6.25-20240816 So.1		15:28	6.25	C	1	1	1		
CSB-108-6.25-20240816 So.1		15:30	6.25	C	1	1	1		
CSB-109-6.25-20240816 So.1		15:32	6.25	C	1	1	1		
CSW-05-0-3-20240816 So.1		15:54	0-3	C	1	1	1		
CSB-010-5.5-20240816 So.1		16:20	5.5	C	1	1	1		



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) 392-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060

Environment Testing

Work Order

880-47346 Chain of Custody

Page 1 of 2

Project Manager: BRAD WYNNE		Bill to: (if different)		Work Order Comments	
Company Name: AECOM		Company Name:		Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
Address: 13355 NOEL RD STE 400		Address:		State of Project: NEW MEXICO	
City, State ZIP: DALLAS, TX 75240		City, State ZIP:		Reporting: Level II ☐ Level III ☐ PST/AUST ☐ TRRP ☐ Level IV ☐	
Phone: 214-971-1829		Email: bradley.wynne@aec.com		Deliverables: EDD ☒ ADAPT ☐ Other:	
Project Name: Amare CTB		Turn Around		ANALYSIS REQUEST	
Project Number: 60734207		☐ Routine ☒ Rush		Preservative Codes	
Project Location: Loisig New Mexico		Due Date:		None: NO DI Water: H ₂ O	
Sampler's Name: BRENT CLAND		TAT starts the day received by the lab, if received by 4:30pm		Cool: Cool MeOH: Me	
PO #:		TAT starts the day received by the lab, if received by 4:30pm		HCL: HC HNO ₃	
SAMPLE RECEIPT		Temp Blank: Yes No		H ₂ SO ₄ : H ₂ NaOH: Na	
Samples Received Intact: Yes No		Thermometer ID:		H ₃ PO ₄ : HP	
Cooler Custody Seals: Yes No		Correction Factor:		NaHSO ₄ : NABIS	
Sample Custody Seals: Yes No		Temperature Reading: 5.7		Na ₂ S ₂ O ₃ : NaSO ₃	
Total Containers:		Corrected Temperature: 5.6		Zn Acetate+NaOH: Zn	
Sample Identification		Matrix		NaOH+Ascorbic Acid: SAPC	
Date Sampled		Time Sampled		Sample Comments	
Grab/Comp		Depth			
# of Cont					
C5B-095-6.25-20240816 So.1		14:40		X	
C5B-086-6.25-20240816 So.1		14:42		X	
C5B-077-6.25-20240816 So.1		14:44		X	
C5B-068-6.25-20240816 So.1		14:46		X	
C5B-069-5.5-20240816 So.1		14:48		X	
C5B-058-5.5-20240816 So.1		14:50		X	
C5B-059-6.25-20240816 So.1		14:52		X	
C5B-048-5.25-20240816 So.1		14:54		X	
C5B-049-5.25-20240816 So.1		14:56		X	
C5B-103-6.25-20240816 So.1		15:24		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 SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 8010: 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
<i>[Signature]</i>	<i>[Signature]</i>	5/19/24 5:00
3		4
5		6

Revised Date: 06/25/2020 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: 21355 NOEL RD, STE 400		Company Name:		Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
Address: AECOM		Address:		State of Project: NEW MEXICO	
City, State ZIP: DALLAS TX, 75240		City, State ZIP:		Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Phone: 214-971-1829		Email: bradley.wynne@aecom.com		Deliverables: EDD ☒ ADAPT ☐ Other:	

ANALYSIS REQUEST										Preservative Codes	
Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around				Pres. Code	Sample Comments	
					☐ Routine	☒ Rush	Due Date:	TAT starts the day received by the lab, if received by 4:30pm			
Ameco CTR	60734707	Loving, New Mexico	BRENT CLAND		Yes	No	Wet Ice:	Yes	No	None: NO	DI Water: H ₂ O
SAMPLE RECEIPT					Temp Blank:	Yes	No	Thermometer ID:		Cool: Cool	MeOH: Me
Samples Received Intact:					Yes	No	Correction Factor:			HCL: HC	HNO ₃
Cooler Custody Seals:					Yes	No	N/A			H ₂ SO ₄ : H ₂	NaOH: Na
Sample Custody Seals:					Yes	No	N/A			H ₃ PO ₄ : HP	
Total Containers:							Corrected Temperature:			NaHSO ₄ : NABIS	
										Na ₂ S ₂ O ₃ : NaSO ₃	
										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 ₂ 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 PM			

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
(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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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	DFBZ1
		(70-130)	(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	OTPH1
		(70-130)	(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

Eurofins Midland

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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	744.9		mg/Kg		74	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	825.4		mg/Kg		83	70 - 130	11	20

	LCSD	LCSD	
Surrogate	%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 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	1000	833.1		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)	15.2	J	1000	872.6		mg/Kg		86	70 - 130		

	MS	MS	
Surrogate	%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 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	763.0		mg/Kg		76	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	15.2	J	1000	851.2		mg/Kg		83	70 - 130	2	20

	MSD	MSD	
Surrogate	%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 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	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

Surrogate	LCS %Recovery	LCS 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

Surrogate	LCSD %Recovery	LCSD 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 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

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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

Eurofins Midland

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	

Eurofins Midland

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

Eurofins Midland

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
Date Collected: 08/20/24 08:10
Date Received: 08/21/24 08:00

Lab Sample ID: 880-47494-1
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			4.99 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
Date Collected: 08/20/24 08:15
Date Received: 08/21/24 08:00

Lab Sample ID: 880-47494-2
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	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
Date Collected: 08/20/24 08:20
Date Received: 08/21/24 08:00

Lab Sample ID: 880-47494-3
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	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
Date Collected: 08/20/24 08:30
Date Received: 08/21/24 08:00

Lab Sample ID: 880-47494-4
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	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
Date Collected: 08/20/24 08:45
Date Received: 08/21/24 08:00

Lab Sample ID: 880-47494-5
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	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
Date Collected: 08/20/24 09:15
Date Received: 08/21/24 08:00

Lab Sample ID: 880-47494-6
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	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

Lab Chronicle

Client: AECOM
Project/Site: Amoco CTB

Job ID: 880-47494-1
SDG: Loving, NM

Client Sample ID: CSB-010-6.0-20240820
Date Collected: 08/20/24 09:30
Date Received: 08/21/24 08:00

Lab Sample ID: 880-47494-7
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	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
Date Collected: 08/20/24 10:30
Date Received: 08/21/24 08:00

Lab Sample ID: 880-47494-8
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			4.96 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
Date Collected: 08/20/24 10:45
Date Received: 08/21/24 08:00

Lab Sample ID: 880-47494-9
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	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
Date Collected: 08/20/24 11:00
Date Received: 08/21/24 08:00

Lab Sample ID: 880-47494-10
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	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
Date Collected: 08/20/24 11:15
Date Received: 08/21/24 08:00

Lab Sample ID: 880-47494-11
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			5.00 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

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) 224-6060

Work Order



880-47494 Chain of Custody

Page 1 of 2

Project Manager:	Brad Wynne	Bill to: (if different)	
Company Name:	Amerco 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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: N.M.	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☒ ADAPT ☐ Other:	

Project Name:	Amerco CTB	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	60734207	☐ Routine ☒ Rush														None: NO	DI Water: H ₂ 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 ₃
PO #:		Temp Blank:	Yes ☒ No ☐	Wet Ice:													H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Samples Received Intact:	Yes ☒ No ☐	Thermometer ID:													H ₃ PO ₄ : HP		
Cooler Custody Seals:	Yes ☐ No ☒	Correction Factor:															NaHSO ₄ : NABIS		
Sample Custody Seals:	Yes ☐ No ☒	Temperature Reading:	1.7														Na ₂ S ₂ O ₃ : NaSO ₃		
Total Containers:		Corrected Temperature:	1.4													Zn Acetate+NaOH: Zn			
																NaOH+Ascorbic Acid: SAPC			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab Comp	# of Cont	Parameters												Sample Comments											
CSB-079-Y.S-20240820	5.1	8/24/24	0810	4.5	C	1	Chlorides																							
CSB-080-Y.S-20240820			0815	4.5	C	1																								
CSB-081-Y.S-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 ₂	Na	Si	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 \$95.00 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> - AECOM	<i>[Signature]</i>	8/24/24 1630	2		
3			4		
5			6		

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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) 555-3443, Lubbock, TX (806) 794-1286
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060

Work Order No:

477494

Page 2 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: USTRPT ☐ 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	☐ Routine ☒ Rush														None: NO	DI Water: H2O		
Project Location:	Lowins, NM	Due Date:	24 HR													Cool: Cool	MeOH: Me		
Sampler's Name:	James Lovey	TAT starts the day received by the lab, if received by 4:30pm																HCL: HC	HNO3
PO #:																		H2SO4: H2	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐													H3PO4: HP		
Samples Received Intact:	Yes ☒ No ☐	Thermometer ID:															NaHSO4: NABIS		
Cooler Custody Seals:	Yes ☐ No ☒ N/A	Correction Factor:															Na2S2O3: NaSO3		
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	Parameters												Sample Comments											
CSB-111-3.0-20240820	Soil	8/2/24	1115	3.0	C	1	Chlorides																							
CSW-07-0-3-20240820			1130	0-3	C	1																								
CSW-01-0-3-20240820			1330	0-3	C	1																								
CSB-028-3.0-20240820			1345	3.0	C	1																								
CSB-038-3.0-20240820			1400	3.0	C	1																								
CSB-039-3.0-20240820			1415	3.0	C	1																								
CSW-08-0-4-20240820			1500	0-4	C	1																								
CSW-09-0-4-20240820			1515	0-4	C	1																								
CSW-09-DUP-04-20240820			1515	0-4	C	1																								
CSW-05-0-3-20240820			1545	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	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: 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 <i>[Signature]</i> - AECOM	<i>[Signature]</i> 8/21/24	80082024 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
(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

Eurofins Midland

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 (70-130)	DFBZ1 (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 (70-130)	OTPH1 (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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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
Surrogate		LCSD %Recovery	LCSD 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	RPD	RPD Limit
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		
Surrogate		MS %Recovery	MS 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
Surrogate		MSD %Recovery	MSD Qualifier	Limits							
1-Chlorooctane		203	S1+	70 - 130							
o-Terphenyl		194	S1+	70 - 130							

Eurofins Midland

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 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 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	%Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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	%Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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	%Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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

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				

Eurofins Midland

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

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	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	Limits		
	Result	Qualifier	Added	Result	Qualifier							
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		
Surrogate	MS	MS										
	%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

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	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	
Surrogate	MSD %Recovery	MSD Qualifier	Limits									
1-Chlorooctane	80		70 - 130									
o-Terphenyl	78		70 - 130									

Eurofins Midland

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

- 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) 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



Work Order
 880-47558 Chain of Custody

Page 1 of 2

Work Order Comments

Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
 State of Project: **NM**
 Reporting: Level II ☐ Level III ☐ PST/AUST ☐ TRRP ☐ Level IV ☐
 Deliverables: EDD ☒ ADAPT ☐ Other:

Project Manager: **Brad Wynne**
 Company Name: **AECOM**
 Address: **13355 Noel Rd. Suite 100**
 City, State ZIP: **Dallas TX 75240**
 Phone: **214-471-1829** Email: **Bradley.Wynne@AECOM.COM**

ANALYSIS REQUEST

Project Name: **Amoco CTB**
 Project Number: **60734207**
 Project Location: **Loving, NM**
 Sampler's Name: **James Lovely**
 PO #:

SAMPLE RECEIPT
 Temp Blank: Yes ☒ No ☐
 Samples Received Intact: Yes ☒ No ☐
 Cooler Custody Seals: Yes ☒ No ☐
 Sample Custody Seals: Yes ☒ No ☐
 Total Containers: **1.5**

Turn Around
☐ Routine ☒ Rush
 Due Date: **ASAP**
 TAT starts the day received by the lab, if received by 4:30pm

Parameters
 Pres. Code: **ASAP**
 Wet Loc: **TRP**
 Thermometer ID: **1.5**
 Correction Factor: **1.5**
 Temperature Reading: **1.5**
 Corrected Temperature: **1.5**

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CSW-05-0-3-20240820	Soil	8/22/24	1545	0-3	C	1			None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
CSB-086-6.5-20240821		8/21/24	1100	6.5	C	1				
CSB-095-6.5-20240821		8/21/24	1115	6.5	C	1				
CSB-112-3.0-20240821		8/21/24	1130	3.0	C	1				
CSB-077-6.5-20240821		8/21/24	1260	6.5	C	1				
CSW-023-0-3-20240821		8/21/24	1305	0-3	C	1				
CSB-048-5.5-20240821		8/21/24	1500	5.5	C	1				
CSB-049-5.5-20240821		8/21/24	1515	5.5	C	1				
CSB-058-5.75-20240821		8/21/24	1530	5.75	C	1				
CSB-059-6.5-20240821		8/21/24	1545	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 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 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 ²
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 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
(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

Eurofins Midland

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.

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	668		1240	2021		mg/Kg		109	90 - 110	0	20

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

Eurofins Midland

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

Eurofins Midland

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



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) 784-1286
 Hobbs, NM (575) 382-7550, Carlsbad, NM (575) 988-3189
 Little Rock, AR (501) 224-5060



Work Order
 880-47558 Chain of Custody

Page 1 of 2

Work Order Comments

Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
 State of Project: **NM**
 Reporting: Level II ☐ Level III ☐ PST/AUST ☐ TRRP ☐ Level IV ☐
 Deliverables: EDD ☒ ADAPT ☐ Other:

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**

ANALYSIS REQUEST

Project Name: **Amoco CTB** Turn Around: ☐ Routine ☒ Rush
 Project Number: **60734207** Due Date: **ASAP**
 Project Location: **Loving, NM** TAT starts the day received by
 Sampler's Name: **James Lovely** the lab, if received by 4:30pm
 PO #: **60734207**

SAMPLE RECEIPT Temp Blank: Yes ☒ No ☐ Wet Ice: Yes ☒ No ☐
 Samples Received Intact: Yes ☒ No ☐ Thermometer ID: **1.8**
 Cooler Custody Seals: Yes ☒ No ☐ Correction Factor: **1.8**
 Sample Custody Seals: Yes ☒ No ☐ Temperature Reading: **1.8**
 Total Containers: **1.8** Corrected Temperature: **1.8**

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CSW-05-0-3-20240820	Soil	8/22/24	1545	0-3	C	1	Chlorides - As AP			None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
CSB-086-6.5-20240821		8/21/24	1100	6.5	C	1	TRH - 2 Day				
CSB-095-6.5-20240821		8/21/24	1115	6.5	C	1	BTEX - 2 Day				
CSB-112-3.0-20240821		8/21/24	1130	3.0	C	1					
CSB-077-6.5-20240821		8/21/24	1260	6.5	C	1					
CSW-023-0-3-20240821		8/21/24	1305	0-3	C	1					
CSB-048-5.5-20240821		8/21/24	1500	5.5	C	1					
CSB-049-5.5-20240821		8/21/24	1515	5.5	C	1					
CSB-058-5.75-20240821		8/21/24	1530	5.75	C	1					
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 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 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>	8/22/24 1650 ²			
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 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 8/26/2024 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



Generated
8/26/2024 8:58:41 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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.

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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				
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)				
880-47612-6	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 (70-130)	OTPH1 (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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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	MS 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	MSD 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	MB 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 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 10:20	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 %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
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 %Recovery	LCS Qualifier	Limits				
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 %Recovery	LCSD Qualifier	Limits						
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 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 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	MSD 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	

Eurofins Midland

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

Eurofins Midland

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



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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) 224-5060

Wor 880-47612 Chain of Custody

Page 1 of 2

Project Manager: Bradley Wynne		Bill to: (if different)		Work Order Comments	
Company Name: AEcom		Company Name:		Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
Address: 13355 Noel Rd. Suite 400		Address:		State of Project: NM	
City, State ZIP: Dallas, TX 75240		City, State ZIP:		Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Phone: 214-971-1829		Email: Bradley.Wynne@AEcom.com		Deliverables: EDD ☒ ADAPT ☐ Other:	

Project Name: AMONG CTB		Turn Around		ANALYSIS REQUEST		Preservative Codes	
Project Number: 60734207		☐ Routine ☒ Rush		Pres. Code		None: NO DI Water: H ₂ O	
Project Location: Loving, NM		Due Date: ASAP		Parameters		Cool: Cool MeOH: Me	
Sampler's Name: James Love		TAT starts the day received by the lab, if received by 4:30pm		Wet Ice: Yes No		HCL: HC HNO ₃	
PO #: James Love		Thermometer ID: TRP		Correction Factor: 1.9		H ₂ SO ₄ : H ₂ NaOH: Na	
SAMPLE RECEIPT		Yes No		Temperature Reading: 1.9		H ₃ PO ₄ : HP	
Samples Received Intact: Yes No		Cooler Custody Seals: Yes No		Temperature Reading: 1.9		NaHSO ₄ : NABIS	
Sample Custody Seals: Yes No		Total Containers: 1.9		Corrected Temperature: 1.9		Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Identification		Matrix		Date Sampled		Zn Acetate+NaOH: Zn	
CSW-01-0-3-20240822		50.1		8/22/24		NaOH+Ascorbic Acid: SAPC	
CSB-010-6.2-5-20240822		6.25		8/22/24		Sample Comments	
CSB-012-6.25-20240822		6.25		8/22/24			
CSB-030-7.5-20240822		7.5		8/22/24			
CSB-108-6.75-20240822		6.75		8/22/24			
CSB-001-4.0-20240822		4.0		8/22/24			
CSB-002-4.0-20240822		4.0		8/22/24			
CSB-006-4.0-20240822		4.0		8/22/24			
CSB-007-4.0-20240822		4.0		8/22/24			
CSB-008-4.0-20240822		4.0		8/22/24			

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 ₂ 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
1 <i>James Love</i> - AEcom	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) 382-7550, Carlsbad, NM (575) 988-3198
 Little Rock, AR (501) 224-5060



Environment Testing

Work Order No:

Page 2 of 2

[illegible][illegible]

Notices: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofinco Xanco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofinco 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 Eurofinco Xanco. A minimum charge of \$85.00 will be applied to each protocol and a charge of \$5 for each sample submitted to Eurofinco Xanco, but not analyzed. These terms will be enforced unless previously negotiated.

[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
(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

Eurofins Midland

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.

Eurofins Midland

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

Eurofins Midland

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
Date Collected: 08/22/24 11:30
Date Received: 08/23/24 08:00
Sample Depth: 4.0

Lab Sample ID: 880-47612-7
Matrix: Solid

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
Date Collected: 08/22/24 11:45
Date Received: 08/23/24 08:00
Sample Depth: 4.0

Lab Sample ID: 880-47612-8
Matrix: Solid

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
Date Collected: 08/22/24 12:00
Date Received: 08/23/24 08:00
Sample Depth: 4.0

Lab Sample ID: 880-47612-9
Matrix: Solid

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
Date Collected: 08/22/24 12:15
Date Received: 08/23/24 08:00
Sample Depth: 4.0

Lab Sample ID: 880-47612-10
Matrix: Solid

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
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: 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
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: 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

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

Eurofins Midland

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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	397		248	626.3		mg/Kg		93	90 - 110	0	20

Eurofins Midland

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

- 1
- 2
- 3
- 4
- 5
- 6
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- 11
- 12
- 13

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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13

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



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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) 224-5060

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	☐ Routine ☒ 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 ₂ 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



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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) 392-7550, Carlsbad, NM (575) 988-3199
 Little Rock, AR (501) 224-5060

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: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
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 ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Phone: <u>214-971-1829</u>		Email: <u>Bradley.Wynne@AEcom.com</u>		Deliverables: EDD ☒ ADAPT ☐ Other:	

Project Name: <u>Amoco CTB</u>		Turn Around		ANALYSIS REQUEST		Preservative Codes	
Project Number: <u>60734207</u>	☐ Routine ☒ Rush	Due Date: <u>ASAP</u>	Pres. Code			None: NO	DI Water: H ₂ 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 ₃
PO #: <u></u>						H ₂ SO ₄ : H ₂	NaOH: Na

SAMPLE RECEIPT		Temp Blank:		Yes		No		Wet Ice:		Yes		No	
Samples Received Intact:		Yes	No	Thermometer ID:				Cooler Custody Seals:		Yes	No	N/A	
Sample Custody Seals:		Yes	No	Temperature Reading:				Total Containers:		Yes	No	N/A	

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 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

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
<u>[Signature]</u>	<u>[Signature]</u>	8/23/24 500			8/22/24 1630 ²

Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47612-2

SDG Number: Loving, NM

Login Number: 47612

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 8/27/2024 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
Designee for
Jessica Kramer, Project Manager
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					Client Sample ID: Method Blank				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 89433									
Analyte	MB Result	MB 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					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 89433									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	243.9		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-89432/3-A					Client Sample ID: Lab Control Sample Dup				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 89433									
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.3		mg/Kg		95	90 - 110	2	20

Lab Sample ID: 880-47646-1 MS					Client Sample ID: CSW-19-0-3-20240823				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 89433									
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	635	F1	252	848.2	F1	mg/Kg		85	90 - 110

Lab Sample ID: 880-47646-1 MSD					Client Sample ID: CSW-19-0-3-20240823				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 89433									
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	635	F1	252	855.5	F1	mg/Kg		88	90 - 110

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

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



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) 224-5080

Chain of Custody

WOM

880-47646 Chain of Custody



Page 1 of 1

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: 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:	60734267			☐ Routine	☒ Rush											None: NO
Project Location:	Loring, NM	Due Date:	ASAP												Cool: Cool	MeOH: Me
Sampler's Name:	Jane's Lorey	TAT starts the day received by the lab, if received by 4:30pm													HCL: HC	HNO ₃
PO #:															H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes ☒ No ☐	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐										H ₃ PO ₄ : HP	
	Samples Received Intact:	Yes ☒ No ☐	Thermometer ID:												NaHSO ₄ : NABIS	
	Cooler Custody Seals:	Yes ☐ No ☒ N/A	Correction Factor:												Na ₂ S ₂ O ₃ : NaSO ₃	
	Sample Custody Seals:	Yes ☐ No ☒ N/A	Temperature Reading:												Zn Acetate+NaOH: Zn	
	Total Containers:		Corrected Temperature:												NaOH+Ascorbic Acid: SAPC	
				Parameters												
				chlorides												

[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 ₂	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>Co <td>Cu <td>Pb <td>Mn <td>Mo <td>Ni <td>Se <td>Ag <td>Ti <td>U <td></td> <td></td> <td>Hg: 1631 / 245.1 / 7470 / 7471</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td></td></td></td></td></td></td></td></td></td></td>	Cr <td>Co <td>Cu <td>Pb <td>Mn <td>Mo <td>Ni <td>Se <td>Ag <td>Ti <td>U <td></td> <td></td> <td>Hg: 1631 / 245.1 / 7470 / 7471</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td></td></td></td></td></td></td></td></td></td>	Co <td>Cu <td>Pb <td>Mn <td>Mo <td>Ni <td>Se <td>Ag <td>Ti <td>U <td></td> <td></td> <td>Hg: 1631 / 245.1 / 7470 / 7471</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td></td></td></td></td></td></td></td></td>	Cu <td>Pb <td>Mn <td>Mo <td>Ni <td>Se <td>Ag <td>Ti <td>U <td></td> <td></td> <td>Hg: 1631 / 245.1 / 7470 / 7471</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td></td></td></td></td></td></td></td>	Pb <td>Mn <td>Mo <td>Ni <td>Se <td>Ag <td>Ti <td>U <td></td> <td></td> <td>Hg: 1631 / 245.1 / 7470 / 7471</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td></td></td></td></td></td></td>	Mn <td>Mo <td>Ni <td>Se <td>Ag <td>Ti <td>U <td></td> <td></td> <td>Hg: 1631 / 245.1 / 7470 / 7471</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td></td></td></td></td></td>	Mo <td>Ni <td>Se <td>Ag <td>Ti <td>U <td></td> <td></td> <td>Hg: 1631 / 245.1 / 7470 / 7471</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td></td></td></td></td>	Ni <td>Se <td>Ag <td>Ti <td>U <td></td> <td></td> <td>Hg: 1631 / 245.1 / 7470 / 7471</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td></td></td></td>	Se <td>Ag <td>Ti <td>U <td></td> <td></td> <td>Hg: 1631 / 245.1 / 7470 / 7471</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td></td></td>	Ag <td>Ti <td>U <td></td> <td></td> <td>Hg: 1631 / 245.1 / 7470 / 7471</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td></td>	Ti <td>U <td></td> <td></td> <td>Hg: 1631 / 245.1 / 7470 / 7471</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </td>	U <td></td> <td></td> <td>Hg: 1631 / 245.1 / 7470 / 7471</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			Hg: 1631 / 245.1 / 7470 / 7471								

Notes: Signature of this document of relinquishment of samples constitutes a valid purchase order from client company to Eurofima Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofima 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 Eurofima Xeno. A minimum charge of \$650.00 will be applied to each project and a charge of \$3 for each sample submitted to Eurofima Xeno, but not analyzed. These terms will be enforced unless previously negotiated with Eurofima Xeno.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i> - Atcom	<i>[Signature]</i>	8/23/24 1630	2		
3			4		
5			6		

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
(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.

Eurofins Midland

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
Date Collected: 08/26/24 09:00
Date Received: 08/27/24 08:00
Sample Depth: 5-9

Lab Sample ID: 880-47713-1
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	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

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 (70-130)	DFBZ1 (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
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 (70-130)	OTPH1 (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
Surrogate Legend			
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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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				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

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
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- 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) 888-3199
 Little Rock, AR (501) 224-5080

Environment Testing



380-47713 Chain of Custody

Page 1 of 1

Project Manager: Brad Wyne AELCM								Bill To: (If different) Company Name:																
Address: 13355 Noel Rd. Suite 400 Dallas, TX 75240								City, State ZIP:																
Phone:								Email:						Bradley@wyne@aecom.com										
Project Name: Amoco CTB								Turn Around						Pres.										
Project Number: 60731207								☐ Routine ☒ Rush						Code										
Project Location: Lowry NM								Due Date: ASAP																
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:						TRF										
Cooler Custody Seals: Yes No N/A								Correction Factor:						-1										
Sample Custody Seals: Yes No N/A								Temperature Reading: 1.3																
Total Containers:								Corrected Temperature: 1.2																
Sample Identification								Matrix						Date Sampled										
Time Sampled								Depth						# of Cont										
Grab/Comp																								
LSW - 16A - S-9-20240826 s.i.1								8/26/24						0900										
CSB - 001 - Y.S.-20240826 s.e.1								8/26/24						0915										
CSB - 002 - Y.S.-20240826 s.s.1								8/26/24						0930										
SW - 108 - Z.O.-20240826 s.c.1								8/26/24						0945										
SW - 22 - O-3-20240826 s.c.1								8/26/24						1000										
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 ₂ 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 Tl U	Hg: 1631 / 245.1 / 7470 / 7471																
Notice: Signature of file document and relinquishment of samples 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 \$45.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofina Xanco, but not analyzed. These terms will be enforced unless previously negotiated.																								
Relinquished by: (Signature)							Received by: (Signature)							Date/Time										
[Signature]							[Signature]							8/26/24 1630										
1 [Signature] - AEcon							[Signature]							8/26/24 1630										
3 [Signature]							[Signature]							8/26/24 1630										
[Signature]							[Signature]							8/26/24 1630										

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

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

Turn Around: ☐ Routine ☒ Rush
 Due Date: ASAP
 TAT starts the day received by the lab, if received by 4:30pm

Preservative Codes

None: NO DI Water: H₂O
 Cool: Cool MeOH: Me
 HCL: HC HNO₃
 H₂SO₄: H₂ NaOH: Na
 H₃PO₄: HP
 NaHSO₄: NABIS
 Na₂S₂O₃: NaSO₃
 Zn Acetate+NaOH: Zn
 NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	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 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) [Signature] **Received by: (Signature)** [Signature] **Date/Time** 8/26/24 16:32

1 Prof - AECON 2 8/26/24 800 3 4 4 4 5 6

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 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 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
(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 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

Matrix: Solid

Analysis Batch: 89475

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 880-89462/3-A

Matrix: Solid

Analysis Batch: 89475

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	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 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-A-1-C MSD

Matrix: Solid

Analysis Batch: 89475

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	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

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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

Page 1 of 1

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: ☐ Routine ☒ Rush	Pres. Code:
Project Number: 60731207	Due Date: ASAP	
Project Location: Lovi, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name: James Loveley		
PO #:		

SAMPLE RECEIPT		Temp Blank: Yes (No) ☒ No	Wet Ice: Yes (No) ☒ No
Samples Received Intact: Yes (No) ☒ No	Thermometer ID: ☒ TRS		
Cooler Custody Seals: Yes (No) ☒ No	Correction Factor: 1.3		
Sample Custody Seals: Yes (No) ☒ No	Temperature Reading: 1.3		
Total Containers: 1	Corrected Temperature: 1.3		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	PRESERVATIVE CODES	SAMPLE COMMENTS
CSW-16A-5-9-20240826	5.1	8/26/24	0900	5-9	C	1	Chlorides			None: NO	DI Water: H ₂ O
CSB-001-4.5-20240826	5.1	8/26/24	0915	4.5	C	1	TPH - 2 Day			Cool: Cool	MeOH: Me
CSB-002-4.5-20240826	5.1	8/26/24	0930	4.5	C	1				HCL: HC	HNO ₃
CSB-108-7.0-20240826	5.1	8/26/24	0945	7.0	C	1				H ₂ SO ₄ : H ₂	NaOH: Na
CSW-22-0-3-20240826	5.1	8/26/24	1000	0-3	C	1				H ₃ PO ₄ : HP	
										NaHSO ₄ : NABIS	
										Na ₂ S ₂ O ₃ : NaSO ₃	
										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 ₂ 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	Date/Time
1. [Signature]	[Signature]	8/27/24	8/26/24	1630	
3. [Signature]					
5. [Signature]					

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) 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: Ameco 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 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) [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: 880-47713-2

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
(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

Lab Sample ID: 880-47850-1

Date Collected: 08/27/24 09:15

Matrix: Solid

Date Received: 08/29/24 08:00

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

Lab Sample ID: 880-47850-2

Date Collected: 08/27/24 09:30

Matrix: Solid

Date Received: 08/29/24 08:00

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

Lab Sample ID: 880-47850-3

Date Collected: 08/28/24 09:00

Matrix: Solid

Date Received: 08/29/24 08:00

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

Lab Sample ID: 880-47850-4

Date Collected: 08/28/24 11:50

Matrix: Solid

Date Received: 08/29/24 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			08/29/24 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

Eurofins Midland

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 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		08/28/24 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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

- 1
- 2
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- 7
- 8
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- 10
- 11
- 12
- 13
- 14



Environment Testing

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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) 898-3199
Little Rock, AR (501) 224-5060

Chain of Custody

Work Ord

880-47850 Chain of Custody



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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project: NM	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☒ ADAPT ☐ Other: _____	

[illegible]

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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 ₂ 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> SLP/PL 2008	8/18/21 1630	2				
3			4				
5			6				



Environment Testing

Chain of Custody

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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 ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐	
State of Project: NM	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☒ ADAPT ☐ Other:	

Project Name:	Ameco CTB	Turn Around		ANALYSIS REQUEST																Preservative Codes				
Project Number:	60734207	☐ Routine ☒ Rush		Pres. Code														None: NO	DI Water: H ₂ 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 ₃					
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na					
SAMPLE RECEIPT				Temp Blank: Yes ☒ No ☐	Wet Ice: Yes ☒ No ☐																	H ₃ PO ₄ : HP		
Samples Received Intact: Yes ☒ No ☐				Thermometer ID:	TR5																	NaHSO ₄ : NABIS		
Cooler Custody Seals: Yes ☐ No ☒				Correction Factor:	-1																	Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals: Yes ☐ No ☒				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																	Sample Comments	
CSW-19-0-3-20240827	Soil	8/27/24	0915	0-3	C	1	X	Chlorides																
CSB-112-4.0-20240827	Soil	8/27/24	0930	4.0	C	1	X	TPH																
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 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

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]	



Chain of Custody

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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1298
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Little Rock, AR (501) 224-5080

Environment Testing



Work Ord

880-47850 Chain of Custody

Page 1 of 1

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 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 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 \$83.00 will be applied to each protocol and a charge of \$3 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> - AECOM	<i>[Signature]</i>	8/28/21 1630			

Reviewed Date: 08/25/2020 By: 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
(432)704-5440

Generated
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.

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Case Narrative

Client: AECOM
Project: AMOCO CTB

Job ID: 890-8022-1

Job ID: 890-8022-1 (Continued)

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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
Diesel Range Organics (Over C10-C28)	19.1	J 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
Chloride	256		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
Total TPH	18.0	J	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
Diesel Range Organics (Over C10-C28)	18.0	J 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

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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 (70-130)	DFBZ1 (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
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 (70-130)	OTPH1 (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
Surrogate Legend			
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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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	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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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

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) 586-3443, Lubbock, TX (806) 794-7886
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 898-3199
Little Rock, AR (501) 224-5060

Chain of Custody



890-8022 Chain of Custody

Project Manager:	Brad Wyne		Bill to: (if different)	
Company Name:	AECOM		Company Name:	
Address:	13555 West Rd		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 II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

[illegible][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 ₂	Na	Sr	Tl	Sn	U	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 Xcelco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xcelco 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 Xcelco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xcelco, 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 John Padua	John Padua	16:04 6/12			
3			4		
5			6		

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
(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.

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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 - 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

Eurofins Carlsbad

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 (70-130)	DFBZ1 (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
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 (70-130)	DFBZ1 (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
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 (70-130)	OTPH1 (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
Surrogate Legend			
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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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

Surrogate	LCS %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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

Surrogate	LCSD %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCSD Qualifier						
Surrogate									
1-Chlorooctane		108							
o-Terphenyl		114							

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 %Recovery	MS Qualifier								
Surrogate											
1-Chlorooctane		121									
o-Terphenyl		127									

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 %Recovery	MSD Qualifier								
Surrogate											
1-Chlorooctane		105									
o-Terphenyl		109									

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	

Eurofins Carlsbad

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) 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) 224-0060

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 II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other: _____	

Project Name:		Amoco Fed. H CFB		Turn Around			
Project Number:		60743624		☐ Routine ☒ 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 ₂							
lonide							
ANALYSIS REQUEST							
							
890-7652 Chain of Custody							
Preservative Codes							
None: NO				DI Water: H ₂ O			
Cool: Cool				MeOH: Me			
HCL: HC				HNO ₃			
H ₂ SO ₄ : H ₂				NaOH: Na			
H ₃ PO ₄ : HP							
NaHSO ₄ : NABIS							
Na ₂ S ₂ O ₃ : NaSO ₃							
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

[illegible]

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: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other: _____	

Project Name:	Amoco Fed. II CTB	Turn Around	☐ Routine ☒ 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:	☐ Yes ☒ No	Well Ice:	☐ Yes ☒ No
Samples Received Intact:	☒ Yes ☐ No	Thermometer ID:	100027		
Cooler Custody Seals:	☐ Yes ☒ No	Correction Factor:	-0.2		
Sample Custody Seals:	☐ Yes ☒ 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	Sample Comments
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SB-05 (20-21)	Soil	2/7/25	1015	20-21	G	1	BTEX		Hold
SB-05 (21-22)			1018	21-22	G	1	X		Hold
SB-05 (22-23)			1021	22-23	G	1	X		Hold
SB-05 (23-24)			1024	23-24	G	1	X		Hold
SB-05 (24-25)			1027	24-25	G	1	X		Hold
SB-05 (25-26)			1030	25-26	G	1	X		Hold
SB-05 (26-27)			1033	26-27	G	1	X		Hold
SB-05 (27-28)			1036	27-28	G	1	X		Hold
SB-06 (20-21)			1430	20-21	G	1	X		Hold
SB-06 (21-22)			1433	21-22	G	1	X		Hold

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13BPM	Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag SiO ₂ 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>	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 ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐	
State of Project:	
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name:	Amoco Fed. II CTB	Turn Around	
Project Number:	60743624	☐ Routine ☒ 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: ☒ Yes ☒ No	Wet Ice: ☒ Yes ☒ No	
Samples Received Intact:	☒ Yes ☒ No	Thermometer ID:	104057
Cooler Custody Seals:	☒ Yes ☒ No	Correction Factor:	-0.2
Sample Custody Seals:	☒ Yes ☒ 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																	Sample Comments			
SB-06 (22-23)	Soil	2/7/25	1436	22-23	G	1	X	X	X																	Hold
SB-06 (23-24)	}	}	1439	23-24	G	1	X	X	X																	Hold
SB-06 (24-25)			1442	24-25	G	1	X	X	X																Hold	
SB-06 (25-26)			1445	25-26	G	1	X	X	X																Hold	
SB-06 (26-27)			1448	26-27	G	1	X	X	X																	Hold
SB-06 (27-28)	↓	↓	1451	27-28	G	1	X	X	X																Hold	
TB-03	W	—	—	—	—	2	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 SnO₂ Na Sr Ti Sm U V Zn
 CRIOT 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
		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
(432)704-5440

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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

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 (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

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 (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

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-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

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-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

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-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

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-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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

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

Eurofins Midland

Surrogate Summary

Client: AECOM
Project/Site: Amoco Fed 11 CTB
1CO = 1-Chlorooctane
OTPH = o-Terphenyl

Job ID: 880-54134-1
SDG: Loving NM

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

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

Eurofins Midland

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	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

Eurofins Midland

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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	769.1		mg/Kg		77	70 - 130	17	20
Diesel Range Organics (Over C10-C28)			1000	762.3		mg/Kg		76	70 - 130	13	20

	LCSD	LCSD	
Surrogate	%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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<14.5	U F1	994	556.7	F1	mg/Kg		56	70 - 130		
Diesel Range Organics (Over C10-C28)	<15.1	U F1	994	590.9	F1	mg/Kg		59	70 - 130		

	MS	MS	
Surrogate	%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 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	995	575.1	F1	mg/Kg		58	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<15.1	U F1	995	586.2	F1	mg/Kg		59	70 - 130	1	20

	MSD	MSD	
Surrogate	%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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	668		250	912.2		mg/Kg		98	90 - 110	0	20

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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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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

Environment Testing

Work 880-54134 Chain of Custody

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>		☐ Routine ☒ 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				Parameters		Preservative Codes	
Temp Blank:	Yes No	Wet Ice:	Yes No	None:	NO	DI Water:	H ₂ O
Samples Received Intact:	Yes No	Thermometer ID:		Cool:	Cool	MeOH:	Me
Cooler Custody Seals:	Yes No	Correction Factor:		HCL:	HC	HNO ₃ :	HNO ₃
Sample Custody Seals:	Yes No	Temperature Reading:		H ₂ SO ₄ :	H ₂	NaOH:	Na
Total Containers:		Corrected Temperature:		H ₃ PO ₄ :	HP		
				NaHSO ₄ :	NABIS		
				Na ₂ S ₂ O ₃ :	NaSO ₃		
				Zn Acetate+NaOH:	Zn		
				NaOH+Ascorbic Acid:	SAPC		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Sample Comments
SB-12 (0-1)	Soil	2/4/25	1100	0-1	G	1	
SB-12 (1-2)			1103	1-2	G	1	
SB-12 (2-3)			1106	2-3	G	1	
SB-12 (3-4)			1109	3-4	G	1	
SB-11 (0-1)			1127	0-1	G	1	
SB-11 (1-2)			1130	1-2	G	1	
SB-11 (2-3)			1133	2-3	G	1	
SB-11 (3-4)			1136	3-4	G	1	
SB-10 (0-1)			1200	0-1	G	1	
SB-10 (1-2)			1203	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 ₂ 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>James Lovely</u>	<u>Bradley Wyne</u>	<u>2/5/25 1500</u>			

Revised Date: 08/25/2020 Rev. 2020.2



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) 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

Work Order No:

Page 2 of 2

Project Manager: Bred Wynne		Bill to: (if different)		Work Order Comments	
Company Name: AEcom		Company Name:		Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
Address: 13355 Noel Rd suite 400		Address:		State of Project:	
City, State ZIP: Dallas, TX 75240		City, State ZIP:		Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Phone: 214-971-1829		Email: Bred.Wynne@AEcom.com		Deliverables: EDD ☐ ADaPT ☐ 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:	
Samples Received Intact:		Yes		No																									
Cooler Custody Seals:		Yes		No		N/A																							
Sample Custody Seals:		Yes		No		N/A																							
Total Containers:																													

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters		Pres. Code	ANALYSIS REQUEST																Preservative Codes	Sample Comments		
							Turn Around	Due Date		None	NO	DI Water: H ₂ O	Cool: Cool	MeOH: Me	HCL: HC	HNO ₃	H ₂ SO ₄ : H ₂	NaOH: Na	H ₃ PO ₄ : HP	NaHSO ₄ : NABIS	Na ₂ S ₂ O ₃ : NaSO ₃	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 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 \$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>[Signature]</i>	<i>[Signature]</i>	2/5/25 1500			

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
(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

Eurofins Midland

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.

Eurofins Midland

Case Narrative

Client: AECOM
Project: Amoco Fed. 11 CTB

Job ID: 880-54174-1

Job ID: 880-54174-1 (Continued)

Eurofins Midland

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.

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 (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

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-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
Diesel Range Organics (Over C10-C28)	15.4	J	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
Chloride	642		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
Benzene	0.00152	J	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

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-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

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-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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (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 (70-130)	DFBZ1 (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
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 (70-130)	OTPH1 (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 (70-130)	OTPH1 (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

Eurofins Midland

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

Eurofins Midland

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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 %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: MB 880-103021/5-A

Matrix: Solid

Analysis Batch: 103006

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103021

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
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							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
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

Eurofins Midland

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	LCS %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	LCSD %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	MS %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

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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 (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	

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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: 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	

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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	

Eurofins Midland

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

Eurofins Midland

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

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 (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

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 (12-13)
Date Collected: 02/06/25 00:00
Date Received: 02/07/25 08:00

Lab Sample ID: 880-54174-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	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)
Date Collected: 02/06/25 00:00
Date Received: 02/07/25 08:00

Lab Sample ID: 880-54174-20
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			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
Date Collected: 02/06/25 00:00
Date Received: 02/07/25 08:00

Lab Sample ID: 880-54174-33
Matrix: Water

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	



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) 595-3443, Lubbock, TX (806) 794-1286
Hobbs, NM (575) 382-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060

Environment Testing

Work 880-54174 Chain of Custody

Page 1 of 4

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:	Bradley.Wynne@AECom.com

Project Name:	Amoco Fed. 11 CTB	Turn Around	☐ Routine ☒ Rush
Project Number:	60743624	Due Date:	3/27/25
Project Location:	Loving, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	James Loveley	Wet Ice:	Yes No
PO #:		Thermometer ID:	758
Cooler Custody Seals:		Yes No	M/A
Sample Custody Seals:		Yes No	N/A
Total Containers:		Corrected Temperature:	1.9

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	Parameters										# of Cont	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
SB-01 (20-21)	Soil	2/6/25	0955	20-21	G	1	X	X	X	X	X	X	X	X	X	X	X	X	None: NO	DI Water: H ₂ O
SB-01 (21-22)			1000	21-22		1	X	X	X	X	X	X	X	X	X	X	X	X	Cool: Cool	MeOH: Me
SB-02 (20-22)			1005	20-22		1	X	X	X	X	X	X	X	X	X	X	X	X	HCL: HC	HNO ₃
SB-03 (20-21)			1008	20-21		1	X	X	X	X	X	X	X	X	X	X	X	X	H ₂ SO ₄ : H ₂	NaOH: Na
SB-03 (21-22)			1010	21-22		1	X	X	X	X	X	X	X	X	X	X	X	X	H ₃ PO ₄ : HP	
SB-03 (22-23)			1012	22-23		1	X	X	X	X	X	X	X	X	X	X	X	X	NaHSO ₄ : NABIS	
SB-03 (23-24)			1014	23-24		1	X	X	X	X	X	X	X	X	X	X	X	X	Na ₂ S ₂ O ₃ : NaSO ₃	
SB-03 (24-25)			1016	24-25		1	X	X	X	X	X	X	X	X	X	X	X	X	Zn Acetate+NaOH: Zn	
SB-03 (25-26)			1018	25-26		1	X	X	X	X	X	X	X	X	X	X	X	X	NaOH+Ascorbic Acid: SAPC	
SB-03-Dup (20-21)			1008	20-21	↓	1	X	X	X	X	X	X	X	X	X	X	X	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 ₂ 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)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	2/7/25 800			2/6/25 1500 ²

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Reviewed 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) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3189
Little Rock, AR (501) 224-5060



Environment Testing

Work Order No: _____

Page 2 of 4

Project Manager: Brad Wynne		Bill to: (if different)		Work Order Comments	
Company Name: AELOM		Company Name:		Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
Address: 13355 Noel Rd. Suite 400		Address:		State of Project:	
City, State ZIP: Dallas, TX 75240		City, State ZIP:		Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Phone: 214-971-1829		Email: Bradley.Wynne@AELOM.com		Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name: Amco Feb 11 CTB		Turn Around		Preservative Codes	
Project Number: 60743624	Due Date: 3 Day	Parameters	Pres. Code	None: NO	DI Water: H ₂ 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: James Lovey				HCL: HC	HNO ₃
PO #:				H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank: Yes No		H ₃ PO ₄ : HP	
Samples Received Intact: Yes No		Thermometer ID:		NaHSO ₄ : NABIS	
Cooler Custody Seals: Yes No N/A		Correction Factor:		Na ₂ S ₂ O ₃ : NaSO ₃	
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	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 ₂ 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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1 <i>[Signature]</i>		2/6/25 1500			
3					
5					

Revised Date: 06/25/2020 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) 784-1286
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3198
 Little Rock, AR (501) 224-5060

Environment Testing

Work Order No: _____

Page 3 of 4

Project Manager: Brad Wynne		Bill to: (if different)		Work Order Comments	
Company Name: AECOM		Company Name:		Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
Address: 13355 Noel Rd. Suite 400		Address:		State of Project:	
City, State ZIP: Dallas, TX 75240		City, State ZIP:		Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐	
Phone: 214-971-1829		Email: Brad.Wynne@AECOM.COM		Deliverables: EDD ☐ ADAPT ☐ Other:	

Project Name: Amoco Fed 11 CTB		Turn Around		ANALYSIS REQUEST		Preservative Codes	
Project Number: 60743624		☐ Routine ☒ Rush				None: NO DI Water: H ₂ 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 ₃	
PO #:						H ₂ SO ₄ : H ₂ 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	Y	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 ₂ 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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1 <i>[Signature]</i>		2/6/25 1500			
3					
5					

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
 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) 382-7550, Carlsbad, NM (575) 988-3199
 Little Rock, AR (501) 224-5080

Environment Testing

Work Order No: _____

Page 4 of 4

Project Manager: Brad Wyane		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.Wyane@AECom.com			

Project Name: Amoco Fed. 11 CTB		Turn Around		Pres. Code	
Project Number: 60743624		☐ Routine ☒ Rush			
Project Location: Loring, NM		Due Date: 3 Day			
Sampler's Name: Jane's 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:					
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	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	PRESERVATIVE CODES	SAMPLE COMMENTS
SB-10 (24-25)	Soil	12/6/25	1354	24-25	G	1	BTEX			None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	Hold
SB-10 (25-26)	Soil	12/6/25	1357	25-26	G	1	TPH				Hold
TB-02	W		1400	-	G	2	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 ₂ 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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<i>[Signature]</i>			
1	2/6/25 1500 ²		
3			
5			

Revised Date: 08/25/2020 Rev. 2020.2

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
(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

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-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

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-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

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-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

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-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

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-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

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-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 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)

Lab Sample ID: 880-54279-28

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	<0.00138	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

Eurofins Midland

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
		(70-130)	(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 (70-130)	OTPH1 (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	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						
1-Chlorooctane	93		70 - 130						
o-Terphenyl	109		70 - 130						

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

Eurofins Midland

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 %Recovery	LCS Qualifier	Limits
Surrogate			
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 %Recovery	LCSD Qualifier	Limits
Surrogate			
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	RPD	RPD Limit
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 %Recovery	MS Qualifier	Limits
Surrogate			
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 %Recovery	MSD Qualifier	Limits
Surrogate			
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	%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	%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	%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	

Eurofins Midland

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	

Eurofins Midland

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

Eurofins Midland

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

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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-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



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) 988-3199
Little Rock, AR (501) 224-5080



880 54279 Chain of Custody

Wor

Page 1 of 4

[illegible]

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

Total 200.7 / 6010 200.8 / 6020:

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

Notas: 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 \$35.00 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 notified.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2/10/25 1500			
3						

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) 988-3189
Little Rock, AR (501) 224-5060

Environment Testing

Work Order No:

Page 2 of 4

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 Fed. II CTB	Turn Around	
Project Number:	60743624	☐ Routine ☒ Rush	
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 Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BT	TT	ST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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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

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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:

Page 3 of 4

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	☐ Routine	☒ 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 Identification								Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BT	HT	YS				Sample Comments
SB-11 (7-8)								Soil	2/10/25	1324	7-8	G	1		X					Hold
SB-11 (8-9)								Soil	2/10/25	1327	8-9	G	1		X					Hold
SB-11 (9-10)								Soil	2/10/25	1330	9-10	G	1		X					Hold
SB-13 (0-1)								Soil	2/10/25	1400	0-1	G	1		X					
SB-13 (1-2)								Soil	2/10/25	1405	1-2	G	1		X					
SB-13 (2-3)								Soil	2/10/25	1410	2-3	G	1		X					
SB-13 (3-4)								Soil	2/10/25	1415	3-4	G	1		X					
SB-14 (0-1)								Soil	2/10/25	1430	0-1	G	1		X					
SB-14-Dup(0-1)								Soil	2/10/25	1430	0-1	G	1		X					
SB-14 (1-2)								Soil	2/10/25	1435	1-2	G	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 ₂ 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 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 \$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.

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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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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 888-3189
Little Rock, AR (501) 224-5060

Environment Testing

Work Order No.:

Page 4 of 4

[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
(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

Lab Sample ID: 880-46206-2

Date Collected: 07/18/24 13:32

Matrix: Solid

Date Received: 07/19/24 08:00

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 (70-130)	DFBZ1 (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 (70-130)	OTPH1 (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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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

Eurofins Midland

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	

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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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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

Environment Testing

Work O

880-46206 Chain of Custody

Page 1 of 1

Project Manager:	BRAD WYNN	Bill to: (if different)	
Company Name:	AECOM	Company Name:	
Address:	13355 NOEL RD, STE 400	Address:	
City, State ZIP:	DALLAS, TX, 75240	City, State ZIP:	
Phone:	214-971-1829	Email:	bradley.wynn@aecom.com

Project Name:	Ameco CIR	Turn Around	☐ Routine ☒ Rush
Project Number:	60734207		
Project Location:	Lovings, New Mexico	Due Date:	2 Day
Sampler's Name:	B. Clend, J. Lovey	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

Sample Identification	Matrix	Data Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters				Preservative Codes	Sample Comments	
							Temp Blank:	Temp No	Wet Ice:	Yes No			
BF-WPRN-N1-20240718 So.1	So.1	7/13/24	13:28	—	C	1							
BF-WPRN-S1-20240718 So.1	So.1	7/13/24	13:32	—	C	1							
BF-WPRS-N1-20240718 So.1	So.1	7/13/24	13:36	—	C	1							
BF-WPRS-S1-20240718 So.1	So.1	7/13/24	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 ₂ 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 ²			
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
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

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

Eurofins Midland

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.

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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 (70-130)	DFBZ1 (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 (70-130)	OTPH1 (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 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
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

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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 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
Surrogate	LCS %Recovery	LCS 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
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
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

Eurofins Midland

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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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) 794-1286
Hobbs, NM (575) 392-7550; Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060

Environment Testing



Work Q

880-46397 Chain of Custody

Page _____ of _____

Work Order Comments

Program: ☐ US7/PST ☐ 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 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:

[illegible][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 ₂	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: 1691 / 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 enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	 7/24/24	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



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8/28/2024 2:16:42 PM

Authorized for release by
Jessica Kramer, Project Manager
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

Eurofins Midland

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 (70-130)	DFBZ1 (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 (70-130)	OTPH1 (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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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: 880-47711-1
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	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				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

Matrix: Solid

Analysis Batch: 89475

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			08/27/24 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 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

Matrix: Solid

Analysis Batch: 89475

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	237.8		mg/Kg		95	90 - 110	1	20

Lab Sample ID: 880-47711-1 MS

Matrix: Solid

Analysis Batch: 89475

Client Sample ID: BF-WRPN-N4-20240826

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

Matrix: Solid

Analysis Batch: 89475

Client Sample ID: BF-WRPN-N4-20240826

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

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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



380-47711 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) 794-1286
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060



880-47711 Chain of Custody

Page | or

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 Manager:	Brad Wyane		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:	bradkyl.wyane@AECom.com

[illegible][illegible]

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 \$35.00 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>Refin - Aecom</i>	<i>[Signature]</i>	8/27/24 8:08			1630
3						

Login Sample Receipt Checklist

Client: AECOM

Job Number: 880-47711-1

SDG Number: Loving NM

Login Number: 47711

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 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
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Generated
4/28/2025 2:50:02 PM
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

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.

Eurofins Carlsbad

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
Toluene	0.00210		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
m-Xylene & p-Xylene	0.00343	J	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
Xylenes, Total	0.00343	J	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
Total BTEX	0.00553		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
Chloride	214		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 (70-130)	DFBZ1 (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 (70-130)	OTPH1 (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

Eurofins Carlsbad

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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	LCS 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 %Recovery	LCSD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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

Eurofins Carlsbad

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

Eurofins Carlsbad

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 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: 890-8024-1 MS

Matrix: Solid

Analysis Batch: 108425

Client Sample ID: R360-RB-BF-1

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	<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 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	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								

Eurofins Carlsbad

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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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

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: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 467789
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
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
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 467789

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 467789
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
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 Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 05/28/2025
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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
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State of New Mexico
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: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 467789
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
<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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
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

Remediation Plan	
<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
Soil Contamination Sampling: (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>	

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, Page 4

Action 467789

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 467789
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<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>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112340644 R360 ARTESIA LLC LANDFARM
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site 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 Title: Waste & Water Specialist Email: ABarnhill@chevron.com 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: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 467789
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<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 Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 05/28/2025

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QUESTIONS, Page 6

Action 467789

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 467789
	Action Type: [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: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 467789
	Action Type: [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