# Released Volume Calculation

| | |
|---|---|
| Length | 50 feet |
| Width | 17 feet |
| Thickness | 0.5 in |

425 gal = 10 Est. Total Bbls Released

Volume = L*W*T

Total Released Volume = 425 gallons (US, dry)

10 Bbls

# Revised Site Characterization Report and Remediation Workplan

November 30, 2025

**Lamunyon 56 (Central Tank Battery)**
**Crude Oil Releases**
**Incident No. nAPP2412157442**
**Incident No. nOY1831238090**
**Incident No. nRM2033632817**
**Incident No. nSAP0334425865**
**Lea County, New Mexico**

**Prepared For:**

FAE II Operating, LLC
11757 Katy Freeway, Suite 725
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Cynthia K. Crain, P.G.

Grain Environmental

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## 1.0 Introduction

Crain Environmental (CE), on behalf of FAE II Operating, LLC (FAE), has prepared this Revised Site Characterization Report and Remediation Workplan for the crude oil releases at Lamunyon 56/Central Tank Battery (Site), located approximately 10 miles southeast of Eunice in Unit Letter A, Section 28, Township 23S, Range 37E, Lea County, New Mexico. The global positioning system (GPS) coordinates for the Site are 32.279867, -103.163569. The property surface rights are privately owned. Land use in the Site vicinity is primarily oil and gas production activity and cattle grazing. The location of the Site is depicted on Figure 1.

## 2.0 Background

On April 29, 2024, a release from a storage tank at the Lamunyon #56 (Central Tank Battery) was discovered. As a result of overflow of the tank, approximately 150 barrels (bbls) of crude oil were released. Immediately following the release, the area was secured, a vacuum truck was mobilized to the Site, and the tank was repaired. The released fluid covered a surface area of approximately 3,828 square feet ($ft^2$). Approximately 145 bbls of fluid were recovered. Impacted soil was removed from the surface and hauled to an NMOCD approved disposal facility. The release point and the surface extent of the release is depicted on Figure 2.

A Notification of Release (NOR) was submitted to the New Mexico Oil Conservation Division (NMOCD) on April 30, 2024, and Incident #nAPP2412157442 was assigned.

On October 3, 2024, the NMOCD approved an extension request until December 27, 2024, to submit a Site Characterization Report and Remediation Workplan (Workplan). On December 19, 2024, the NMOCD approved a 90-day extension for submitting the Workplan by March 17, 2025. On March 14, 2025, a Site Characterization Report and Remediation Workplan (Workplan) was submitted to the NMOCD. The Workplan was approved by the NMOCD on April 22, 2025.

On July 22, 2025, a Remediation Summary and Closure Report (Report) was submitted to the NMOCD. On August 1, 2025, the Report was denied for the following reasons:

- There have been no delineation soil samples collected near and around the storage tank – the source of the release - to the vegetated area of concern. Samples must be collected in this area in question. No liner inspection was conducted nor photos of the lined containment provided in report. Provide an explanation to the OCD on how 150 bbls of crude oil flowed into this area as displayed in the sampling diagram in Figure 2 of the report. The OCD notes that there is no indication that there was an oil release, only potholes in the photos from a piece of heavy equipment. Lastly, the OCD notes that there are several incidents adjacent to this one that remain open, which include: nRM2033632817, nOY1831238090, and nSAP0334425865. These incidents are also required to be addressed as they remain open and have significant overlap with the incident in question, nAPP2412157442 Lamunyon #056.
- The photo with the water level interface probe must be retaken with a clear photo and measurement displayed, as it is unclear from the photo provided what that measurement is. It is preferred that the well construction documents be provided with the information. The photos do not convey any kind of scrape to the surface of the soil where contamination occurred. Provide a

revised remediation plan to include a liner inspection report to the OCD no later than thirty (30) days from receipt of this determination, 9/01/2025.

On August 28, 2025, a 90-day extension request to submit a revised workplan was submitted to the NMOCD. The extension was approved on August 28, 2025, with a new due date of December 1, 2025. Appendix A provides a copy of NMOCD correspondence.

This Revised Site Characterization Report and Remediation Workplan for Incident Numbers nAPP2412157442, nOY1831238090, nRM2033632817, and nSAP0334425865 is being submitted for each Incident by the due date of December 1, 2025, in accordance with 19.15.29.11 New Mexico Administrative Code (NMAC).

## 3.0 NMOCD Closure Criteria

Cleanup standards for produced water spills are provided in 19.15.29 NMAC. The cleanup standards (described in the rule as "Closure Criteria") are based primarily on depth to groundwater but are also based on other criteria. Three different Closure Criteria are provided in the rule. The most stringent apply to sites where groundwater is found within 50 feet of the ground surface or if the release occurred within one of the following areas:

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).
- Within 300 feet from an occupied permanent residence, school, hospital, institution or church.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
- Within 1,000 feet of any fresh water well or spring.
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
- Within 300 feet of a wetland.
- Within the area overlying a subsurface mine.
- Within an unstable area such as a karst formation.
- Within a 100-year floodplain.

CE reviewed available information to determine the Closure Criteria for the Site. The findings of this evaluation are summarized below.

### 3.1 Groundwater Evaluation

A review of the New Mexico Office of the State Engineer (NMOSE) records indicated there is one water well located within 0.5 mile of the Site (CP 00375 POD 1) drilled to a depth of 160 feet below ground surface (bgs); however, a date of installation and a depth to groundwater was not provided. NMOSE records indicated that five additional wells are located within 1 mile of the Site (CP 00480 POD 1, CP

00440 POD 1, CP 01555 POD 1, CP 01555 POD 2, and CP 00407); however, only well CP 00480 POD 1 provided an installation date (April 14, 1968) and a depth to groundwater (600 feet bgs). A review of the United State Geological Survey (USGS) database indicated one water well was located within 0.5 mile of the Site (Well 32167103094301). Depth to groundwater in the USGS well was last measured on January 15, 1976 and recorded a water level of 93.35' below ground surface (bgs). All wells within a 1-mile radius are listed in the table below. Figure 3 provides 0.5-mile radius and a 1-mile radius circles around the Site and shows the locations of each well. A NMOSE Point of Diversion Summary for each well and groundwater data for USGS Well 32167103094301 is provided in Appendix B.

**Nearby Water Wells**

| Well ID | Location from Release Site | Year Installed | Use | Total Depth / Depth to Water (feet bgs) |
|---|---|---|---|---|
| CP 00375 POD 1 | Approx. 2,099 feet to NE | Unknown | N/A | 160 / Unknown |
| CP 00480 POD 1 | Approx. 4,787 feet to NE | 1968 | N/A | 6,281 / 600 |
| CP 00440 POD 1 | Approx. 4,760 feet to SE | Unknown | N/A | Unknown / Unknown |
| CP 01555 POD 1 | Approx. 4,873 feet to SE | Unknown | N/A | Unknown / Unknown |
| CP 01555 POD 2 | Approx. 4,682 feet to SE | Unknown | N/A | Unknown / Unknown |
| CP 00407 | Approx. 3,257 feet to SW | Unknown | N/A | Unknown / Unknown |
| USGS32167103094301 | Approx. 380 feet to E | 1965 | N/A | 160 / 93.35 (1/15/76) |

On April 23, 2025, well CP 00375 POD 1 was located. The top of the casing was open, and an interface probe was used to check for water. A total depth of 80' bgs was measured with the probe, and no groundwater was present. Photographic documentation is provided in Appendix C.

### 3.2 Surface Features and Other Development

CE reviewed recent aerial photographs, topographic maps, the NMOSE Point of Discharge (POD) GIS website, and information available from the Lea County, New Mexico Central Appraisal District website. As shown on Figure 1, the Site is **not** located:

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
  - No continuously flowing watercourses (rivers, streams, arroyos, etc.) are apparent within 300 feet of the Site in the topographic map (Figure 1).
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).
  - The topographic map (Figure 1) indicates there is not a lakebed, sinkhole or playa lake located within 200 feet of the Site.
- Within 300 feet from an occupied permanent residence, school, hospital, institution or church.
  - The Site Location Map (Figure 1) and information available from the Lea County, New Mexico Central Appraisal District do not show or list any permanent residence, school, hospital, institution or church located within 300 feet of the Site.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
  - No wells or springs located within 500 feet of the Site appear in any of the NMOSE records reviewed by CE.

- Within 1,000 feet of any fresh water well or spring.
    - No freshwater wells or springs located within 1,000 feet of the Site appear in any of the records reviewed by CE.
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
    - Based on the property and other records review by CE, the Site is not located in incorporated municipal boundaries or within a defined municipal fresh water well field.
- Within the area overlying a subsurface mine.
    - Based on the property and other records reviewed by CE, the Site is not located within an area overlying a subsurface mine.

### 3.3 Wetlands, Floodplain, and Karst Geology

A review of the United States Fish and Wildlife Service (USFWS) wetlands map indicated the Site is not located within 300 feet of a wetland. The New Mexico Bureau of Land Management (BLM) karst potential map indicates the Site is located within a "low karst potential" area. Finally, review of the Federal Emergency Management Act (FEMA) floodplain map indicates the release at the Site is located outside of a 100-year floodplain. Figures 4, 5, and 6 depict the USFWS map, the FEMA floodplain map, and the karst potential map, respectively.

### 3.4 Closure Criteria Currently Assumed Applicable to the Site

From the surface to a depth of 4' bgs, the most stringent NMOCD Closure Criteria will apply. As depth to groundwater was measured in well CP 00375 to be greater than 80' bgs, and USGS well 32167103094301 reported a depth to groundwater of 93.35' bgs in 1976, the moderately stringent Closure Criteria (associated with depths of 51 to 100' bgs) will apply at soil depths greater than 4' bgs. A summary of the Closure Criteria is provided in the table below and in Table 1.

**NMOCD Closure Criteria**

| Constituent of Concern | | Closure Criteria Based on Depth to Groundwater (mg/kg) | | |
|---|---|---|---|---|
| | | ≤ 50 feet bgs | 51 feet to 100 feet bgs | > 100 feet bgs |
| Chloride (EPA 300) | | 600 | 10,000 | 20,000 |
| TPH (EPA 8015M) | GRO + DRO + MRO | 100 | 2,500 | 2,500 |
| | GRO + DRO | NA | 1,000 | 1,000 |
| Total BTEX (EPA 8021 or 8260) | | 50 | 50 | 50 |
| Benzene (EPA 8021 or 8260) | | 10 | 10 | 10 |

Notes: NA = not applicable GRO = gasoline range organics
bgs = below ground surface DRO = diesel range organics
mg/kg = milligrams per kilogram TPH = total petroleum hydrocarbons
MRO = motor oil range organics BTEX = benzene, toluene, ethylbenzene, and total xylenes
Green highlighted cells denote applicable Closure Criteria for depths of 0-4' bgs.
Blue highlighted cells denote applicable Closure Criteria for depths greater than 4' bgs.

## 4.0 Site Assessment/Characterization Results

As per 19.15.29.11 NMAC, a Site Characterization Report will have the components described in Sections 4.1 through 4.5 of this document.

### 4.1 Site Map

As required by 19.15.29.11 NMAC, a scaled diagram showing significant Site infrastructure, sample point locations, and known subsurface features such as utilities is provided as Figure 2.

### 4.2 Depth to Groundwater

As discussed in Section 3.1, the exact depth to groundwater beneath the Site is unknown; however, based on a physical measurement to 80’ bgs in well CP 00375 POD 1 on April 23, 2025, NMOSE and USGS records, depth to groundwater is estimated be between 50’ and 100’ bgs at the Site.

### 4.3 Wellhead Protection Area

The 0.5-mile and 1-mile wellhead protection areas are shown on Figure 3. There were no other water sources, springs, or other sources of freshwater extraction identified within 0.5-mile of the Site.

### 4.4 Distance to Nearest Significant Watercourse

The horizontal distance to the nearest significant watercourse as defined in Subsection P of 19.15.17.7 NMAC is greater than 0.5-mile from the Site.

### 4.5 Initial Delineation Activities

Prior to the initial soil investigation at Incident #nAPP2412157442, an Electromagnetic (EM) Survey was conducted by Atkins Engineering (Atkins) of Carlsbad, New Mexico. On January 16, 2025, soil samples (TH-1 through TH-13) were collected at 13 locations throughout the release area (as indicated by the EM Survey) to determine the vertical and horizontal limits of the impact.

Samples were collected from each location at a depth of 1’ bgs, and a total depth of 4.1’ bgs. Soil samples were placed in clean glass sample jars, properly labeled, immediately placed on ice and hand delivered to Eurofins Environment Testing (Eurofins) in Midland, Texas under proper chain-of-custody control. All samples were analyzed for TPH by Environmental Protection Agency (EPA) SW-846 Method 8015 Modified, for BTEX by EPA SW-846 Method 8021B, and for chlorides by Method EPA Method 300.0.

Table 1 provides a summary of the laboratory results. Figure 2 shows the sample locations within the EM Survey area. Photographic documentation is provided in Appendix C. The laboratory report with chain-of-custody documentation is provided in Appendix D.

Referring to Table 1, concentrations of TPH and BTEX were reported below the test method detection limits in all samples. Concentrations of chlorides were reported below either the test method detection limits or Closure Criteria in all samples.

As approved by the NMOCD, samples were re-collected from sample points TH-1 through TH-13 at depths of 1', 2', 3', and 4' bgs following proper sample notification. Samples collected from 1' and 4' bgs at each sample point were placed in clean glass sample jars, properly labeled, immediately placed on ice, and were hand delivered to Eurofins for analysis of TPH, BTEX, and chlorides.

Table 1 provides a summary of the laboratory results. Figure 2 shows the test hole locations. Appendix C provides photographic documentation. Appendix D provides a copy of the laboratory report and chain-of-custody documentation.

Referring to Table 1, concentrations of TPH, BTEX, and chlorides were reported below the test method detection limits of Closure Criteria in all samples, and a Remediation Summary and Closure Report was submitted to the NMOCD on July 22, 2025.

### 4.6 Additional Delineation Activities

On August 7, 2025, a liner inspection was conducted at the water tank, and the liner was not intact. Water well CP 00375 POD 1 was re-measured. As on April 23, 2025, the top of the casing was open, and an interface probe was used to check for water. A total depth of 80' bgs was measured with the probe, and no groundwater was present. Photographic documentation is provided in Appendix C.

On October 16, 2025, samples were collected from 19 test holes (TH-14 to TH-32) at the Site. Samples were collected from each test hole at depths of 1', 2', 3', and 4' bgs. Each sample was field tested for chloride concentrations, and samples with the highest chloride field results (1' bgs) and the deepest sample (4' bgs) at each test hole were placed in clean glass sample jars, properly labeled, immediately placed on ice, and were hand delivered to Eurofins for analysis of TPH, BTEX, and chlorides.

Table 1 provides a summary of the laboratory results. Figure 7 shows the test hole locations. Appendix C provides photographic documentation. Appendix D provides a copy of the laboratory report and chain-of-custody documentation.

Referring to Table 1, concentrations of benzene and BTEX were reported below the test method detection limits or the Closure Criteria in each sample. Concentrations of TPH were reported above the Closure Criteria in each sample except from the following samples:

- TH-14 (1' and 4' bgs),
- TH-15 (1' bgs),
- TH-23 (1' and 4' bgs),
- TH-26 (4' bgs),
- TH-28 (4' bgs), and
- TH-32 (1' and 4' bgs).

Concentrations of chlorides were reported below the Closure Criteria except from the following samples:

- TH-20 (4'): 2,180 mg/kg
- TH-24 (4'): 861 mg/kg
- TH-25 (1' and 4'): 1,260 and 1,950 mg/kg, respectively

- TH-28 (1' and 4'): 1,130 and 2,460 mg/kg, respectively
- TH-32 (4'): 827 mg/kg

### 4.7 Laboratory Analytical Data Quality Assurance/Quality Control Results

Data reported in Job Numbers 880-53358-1, 880-58514-1, and 880-64034-1 generated by Eurofins, was reviewed to ensure that reported analytical results met data quality objectives. It was determined by quality control data associated with analytical results that reported concentrations of target analytes are defensible and that measurement data reliability is within the expected limits of sampling and analytical error. All analytical results are usable for characterization of soil at the Site. The laboratory analytical results are provided in Appendix D.

## 5.0 Proposed Remediation Workplan

BXP proposes to excavate all impacted soil at each sample point until five-point composite samples collected from the bottom and sidewalls of each excavation report TPH and chloride concentrations below the most stringent Closure Criteria in the upper 4' of soil, and below the moderately stringent Closure Criteria in soil below 4' bgs. Complete vertical and horizontal delineation will be conducted during remediation. As all samples reported benzene and BTEX concentrations below the test method detection limit or Closure Criteria, BXP proposes to analyze confirmation samples for TPH and chlorides only.

All excavated soil will be disposed of at an NMOCD approved disposal facility. Figure 7 shows the area proposed for remediation. The remediation area covers a surface area of approximately 38,000 $ft^2$, and it is estimated that approximately 5,630 cubic yards of soil will be hauled to disposal. Deferral of remediation until time of abandonment may be requested for areas around ancillary equipment and above ground piping if excavation cannot be safely completed. Complete horizontal and vertical delineation will be achieved if deferral is requested.

Upon receipt of laboratory results that all TPH and chloride concentrations are below the Closure Criteria, a Remediation Summary and Closure Report will be submitted to the NMOCD. The Closure Report will include photographs of the excavation, laboratory results with chain-of-custody documentation, and a scaled map of the excavation(s). As an NMOCD records review of each Incident (nAPP2412157442, nOY1831238090, nRM2033632817, and nSAP0334425865) did not provide sufficient information to determine the area affected by each incident, it will be assumed that comingling of the incidents occurred, and the Closure Report will include all Incidents, and will be submitted to the NMOCD fee portal for each incident.

Upon approval of Closure by the NMOCD, the excavated areas will be backfilled to grade with non-impacted similar material obtained from a landowner pit. At least one soil sample will be collected from the backfill material, and the sample will be analyzed for TPH, BTEX, and chlorides. Pursuant to 19.15.29.13 NMAC, the impacted surface areas will be restored to pre-release conditions, and surface grading and contouring will be performed to prevent erosion and ponding, promote stability, and preserve storm water flow patterns.

## 6.0 Schedule of Implementation

Site remediation activities will begin within 30 days of NMOCD approval of this Workplan, and a Closure Report for each Incident will be submitted to NMOCD within 30 days of receipt of acceptable final laboratory results.

FAE respectfully requests a remediation schedule of 180 days from the date of NMOCD approval of this Remediation Workplan to complete the proposed activities and submit a Remediation Summary and Closure Report for NMOCD approval of Incident #s nAPP2412157442, nOY1831238090, nRM2033632817, and nSAP0334425865.

## 7.0 Distribution

Copy 1: Mike Bratcher
New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Copy 2: David Schellstede
Forty Acres Energy, LLC
11757 Katy Freeway, Suite 725
Houston, Texas 77079

# TABLE

**TABLE 1**
**SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS**
**FAE II OPERATING, LLC**
**LAMUNYON 56 / CENTRAL TANK BATTERY**
**NMOCD INCIDENT #s nAPP2412157442, nOY1831238090, nRM2033632817, and nSAP0334425865**

| Sample ID | Sample Date | Sample Depth | Soil Status | TPH (GRO) | TPH (DRO) | TPH (MRO) | Total TPH | Benzene | Toluene | Ethylbenzene | Total Xylenes | Total BTEX | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | milligrams per kilogram (mg/kg) | | | | | | | | | |
| **NMOCD Closure Criteria** | | | | | | | **100** | **10** | **-** | **-** | **-** | **50** | **600** |
| **NMOCD Closure Criteria (>4' bgs)** | | | | **GRO + DRO = 1,000** | | **-** | **2,500** | **10** | **-** | **-** | **-** | **50** | **10,000** |
| TH-1 (1') | 01/16/25 | 1' | In Situ | <49.8 | <49.8 | <49.8 | <49.8 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <2.02 |
| TH-1 (1') | 05/21/25 | 1' | In Situ | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | **67.7** |
| TH-1 (4.1') | 01/16/25 | 4.1' | In Situ | <49.7 | <49.7 | <49.7 | <49.7 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <2.00 |
| TH-1 (4') | 05/21/25 | 4' | In Situ | <49.9 | <49.9 | <49.9 | <49.9 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **57.3 F1** |
| TH-2 (1') | 01/16/25 | 1' | In Situ | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00401 | <0.00401 | <1.99 |
| TH-2 (1') | 05/21/25 | 1' | In Situ | <50.1 | <50.1 | <50.1 | <50.1 | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | **126** |
| TH-2 (4.1') | 01/16/25 | 4.1' | In Situ | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | <1.98 |
| TH-2 (4') | 05/21/25 | 4' | In Situ | <50.1 | <50.1 | <50.1 | <50.1 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | **54.9** |
| TH-3 (1') | 01/16/25 | 1' | In Situ | <49.9 | <49.9 | <49.9 | <49.9 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <2.02 |
| TH-3 (1') | 05/21/25 | 1' | In Situ | <50.1 | <50.1 | <50.1 | <50.1 | <0.00198 | <0.00198 | <0.00198 | <0.00397 | <0.00397 | **110** |
| TH-3 (4.1') | 01/16/25 | 4.1' | In Situ | <49.8 | <49.8 | <49.8 | <49.8 | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | <2.01 |
| TH-3 (4') | 05/21/25 | 4' | In Situ | <49.9 | <49.9 | <49.9 | <49.9 | <0.00198 | <0.00198 | <0.00198 | <0.00396 | <0.00396 | **91.7** |
| TH-4 (1') | 01/16/25 | 1' | In Situ | <49.9 | <49.9 | <49.9 | <49.9 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <10.1 |
| TH-4 (1') | 05/21/25 | 1' | In Situ | <49.8 | <49.8 | <49.8 | <49.8 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **107** |
| TH-4 (4.1') | 01/16/25 | 4.1' | In Situ | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00401 | <0.00401 | <9.98 |
| TH-4 (4') | 05/21/25 | 4' | In Situ | <49.7 | <49.7 | <49.7 | <49.7 | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | **66.8** |
| TH-5 (1') | 01/16/25 | 1' | In Situ | <49.8 | <49.8 | <49.8 | <49.8 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <10.1 |
| TH-5 (1') | 05/21/25 | 1' | In Situ | <50.1 | <50.1 | <50.1 | <50.1 | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | **68.3** |
| TH-5 (4.1') | 01/16/25 | 4.1' | In Situ | <49.8 | <49.8 | <49.8 | <49.8 | <0.00198 | <0.00198 | <0.00198 | <0.00396 | <0.00396 | <9.96 |
| TH-5 (4') | 05/21/25 | 4' | In Situ | <49.8 | <49.8 | <49.8 | <49.8 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | **83.5** |
| TH-6 (1') | 01/16/25 | 1' | In Situ | <49.7 | <49.7 | <49.7 | <49.7 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | **121** |
| TH-6 (1') | 05/21/25 | 1' | In Situ | <49.7 | <49.7 | <49.7 | <49.7 | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | **106** |
| TH-6 (4.1') | 01/16/25 | 4.1' | In Situ | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 | **20.9** |
| TH-6 (4') | 05/21/25 | 4' | In Situ | <50.0 | <50.0 | <50.0 | <50.0 | <0.00198 | <0.00198 | <0.00198 | <0.00397 | <0.00397 | **114** |
| TH-7 (1') | 01/16/25 | 1' | In Situ | <49.9 | <49.9 | <49.9 | <49.9 | <0.00198 | <0.00198 | <0.00198 | <0.00397 | <0.00397 | **27.4** |
| TH-7 (1') | 05/21/25 | 1' | In Situ | <50.1 | <50.1 | <50.1 | <50.1 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **98.7** |
| TH-7 (4.1') | 01/16/25 | 4.1' | In Situ | <49.8 | <49.8 | <49.8 | <49.8 | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | **16.5** |
| TH-7 (4') | 05/21/25 | 4' | In Situ | <50.3 | <50.3 | <50.3 | <50.3 | <0.00202 | <0.00202 | <0.00202 | <0.00403 | <0.00403 | **138** |
| TH-8 (1') | 01/16/25 | 1' | In Situ | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00401 | <0.00401 | **57.9** |
| TH-8 (1') | 05/21/25 | 1' | In Situ | <49.9 | <49.9 | <49.9 | <49.9 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | **91.5** |
| TH-8 (4.1') | 01/16/25 | 4.1' | In Situ | <49.7 | <49.7 | <49.7 | <49.7 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | **89.4** |
| TH-8 (4') | 05/21/25 | 4' | In Situ | <49.7 | <49.7 | <49.7 | <49.7 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 | **82.4** |
| TH-9 (1') | 01/16/25 | 1' | In Situ | <49.8 | <49.8 | <49.8 | <49.8 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <10.0 |
| TH-9 (1') | 05/21/25 | 1' | In Situ | <49.8 | <49.8 | <49.8 | <49.8 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **116** |
| TH-9 (4.1') | 01/16/25 | 4.1' | In Situ | <49.7 | <49.7 | <49.7 | <49.7 | <0.00198 | <0.00198 | <0.00198 | <0.00396 | <0.00396 | **31.8** |
| TH-9 (4') | 05/21/25 | 4' | In Situ | <49.9 | <49.9 | <49.9 | <49.9 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | **81.6** |
| TH-10 (1') | 01/16/25 | 1' | In Situ | <49.8 | <49.8 | <49.8 | <49.8 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | <9.96 |
| TH-10 (1') | 05/21/25 | 1' | In Situ | <50.0 | <50.0 | <50.0 | <50.0 | <0.00198 | <0.00198 | <0.00198 | <0.00397 | <0.00397 | **94.9** |
| TH-10 (4.1') | 01/16/25 | 4.1' | In Situ | <49.9 | <49.9 | <49.9 | <49.9 | <0.00202 | <0.00202 | <0.00202 | <0.00403 | <0.00403 | <10.1 |
| TH-10 (4') | 05/21/25 | 4' | In Situ | <50.1 | <50.1 | <50.1 | <50.1 | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | **119** |
| TH-11 (1') | 01/16/25 | 1' | In Situ | <49.7 | <49.7 | <49.7 | <49.7 | <0.00202 | <0.00202 | <0.00202 | <0.00404 | <0.00404 | **10.8** |
| TH-11 (1') | 05/21/25 | 1' | In Situ | <49.8 | <49.8 | <49.8 | <49.8 | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | **87.5** |
| TH-11 (4.1') | 01/16/25 | 4.1' | In Situ | <49.8 | <49.8 | <49.8 | <49.8 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **241** |
| TH-11 (4') | 05/21/25 | 4' | In Situ | <49.8 | <49.8 | <49.8 | <49.8 | <0.00198 | <0.00198 | <0.00198 | <0.00396 | <0.00396 | **113** |
| TH-12 (1') | 01/16/25 | 1' | In Situ | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00401 | <0.00401 | <10.1 |
| TH-12 (1') | 05/21/25 | 1' | In Situ | <50.1 | <50.1 | <50.1 | <50.1 | <0.00202 | <0.00202 | <0.00202 | <0.00403 | <0.00403 | **80.3** |
| TH-12 (4.1') | 01/16/25 | 4.1' | In Situ | <49.8 | <49.8 | <49.8 | <49.8 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <9.98 |
| TH-12 (4') | 05/21/25 | 4' | In Situ | <50.1 | <50.1 | <50.1 | <50.1 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | **73.4** |
| TH-13 (1') | 01/16/25 | 1' | In Situ | <49.9 | <49.9 | <49.9 | <49.9 | <0.00198 | <0.00198 | <0.00198 | <0.00396 | <0.00396 | <10.0 |
| TH-13 (1') | 05/21/25 | 1' | In Situ | <50.3 | <50.3 | <50.3 | <50.3 | <0.00198 | <0.00198 | <0.00198 | <0.00397 | <0.00397 | **111** |
| TH-13 (4.1') | 01/16/25 | 4.1' | In Situ | <50.0 | <50.0 | <50.0 | <50.0 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | <9.94 |
| TH-13 (4') | 05/21/25 | 4' | In Situ | <49.9 | <49.9 | <49.9 | <49.9 | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | **83.7** |
| TH-14 (1') | 10/16/25 | 1' | In Situ | <49.8 | <49.8 | <49.8 | <49.8 | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | **136** |
| TH-14 (4') | 10/16/25 | 4' | In Situ | <49.9 | <49.9 | <49.9 | <49.9 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **136** |
| TH-15 (1') | 10/16/25 | 1' | In Situ | <50.0 | <50.0 | <50.0 | <50.0 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **93.6** |
| TH-15 (4') | 10/16/25 | 4' | In Situ | <49.9 | <49.9 | **113** | **113** | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | **125** |

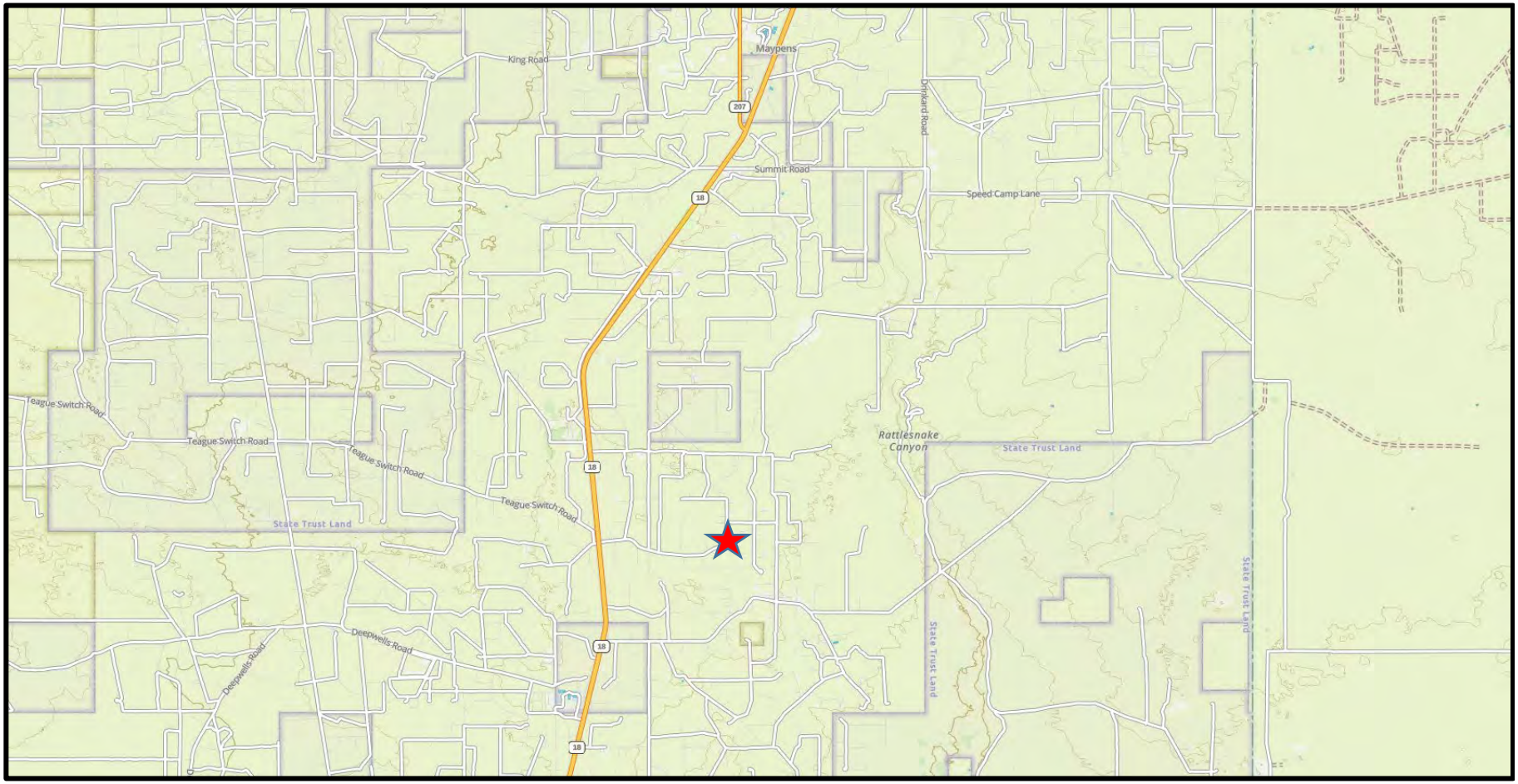
**TABLE 1**
**SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS**
**FAE II OPERATING, LLC**
**LAMUNYON 56 / CENTRAL TANK BATTERY**
**NMOCD INCIDENT #s nAPP2412157442, nOY1831238090, nRM2033632817, and nSAP0334425865**

| Sample ID | Sample Date | Sample Depth | Soil Status | TPH (GRO) | TPH (DRO) | TPH (MRO) | Total TPH | Benzene | Toluene | Ethylbenzene | Total Xylenes | Total BTEX | Chloride |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | milligrams per kilogram (mg/kg) | | | | | | | | | |
| **NMOCD Closure Criteria** | | | | | | | **100** | **10** | **-** | **-** | **-** | **50** | **600** |
| **NMOCD Closure Criteria (>4' bgs)** | | | | **GRO + DRO = 1,000** | | **-** | **2,500** | **10** | **-** | **-** | **-** | **50** | **10,000** |
| TH-16 (1') | 10/16/25 | 1' | In Situ | <50.0 | <50.0 | **194** | **194** | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | **116** |
| TH-16 (4') | 10/16/25 | 4' | In Situ | <49.9 | <49.9 | **144** | **144** | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **142** |
| TH-17 (1') | 10/16/25 | 1' | In Situ | <50.0 | **217** | **101** | **318** | <0.00202 | <0.00202 | <0.00202 | <0.00403 | <0.00403 | **145** |
| TH-17 (4') | 10/16/25 | 4' | In Situ | <49.8 | <49.8 | **148** | **148** | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | **177** |
| TH-18 (1') | 10/16/25 | 1' | In Situ | <49.9 | <49.9 | **149** | **149** | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **340** |
| TH-18 (4') | 10/16/25 | 4' | In Situ | <50.0 | **637** | **84.8** | **722** | <0.00202 | <0.00202 | <0.00202 | <0.00403 | <0.00403 | **364** |
| TH-19 (1') | 10/16/25 | 1' | In Situ | <49.9 | <49.9 | **283** | **283** | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | **125** |
| TH-19 (4') | 10/16/25 | 4' | In Situ | <50.0 | **271** | **160** | **431** | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | **179** |
| TH-20 (1') | 10/16/25 | 1' | In Situ | <50.0 | <50.0 | **396** | **396** | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **558** |
| TH-20 (4') | 10/16/25 | 4' | In Situ | <49.8 | <49.8 | **294** | **294** | <0.00198 | <0.00198 | <0.00198 | <0.00396 | <0.00396 | **2,180 F1** |
| TH-21 (1') | 10/16/25 | 1' | In Situ | <49.9 | <49.9 | **222** | **222** | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 | **156** |
| TH-21 (4') | 10/16/25 | 4' | In Situ | <50.0 | <50.0 | **196** | **196** | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | **326** |
| TH-22 (1') | 10/16/25 | 1' | In Situ | <49.8 | <49.8 | **161** | **161** | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **102** |
| TH-22 (4') | 10/16/25 | 4' | In Situ | <250 | <250 | **521** | **521** | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **107** |
| TH-23 (1') | 10/16/25 | 1' | In Situ | <50.0 | <50.0 | <50.0 | <50.0 | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | **203** |
| TH-23 (4') | 10/16/25 | 4' | In Situ | <49.9 | <49.9 | <49.9 | <49.9 | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **126** |
| TH-24 (1') | 10/16/25 | 1' | In Situ | <250 | **3,260** | **338** | **3,600** | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | **435** |
| TH-24 (4') | 10/16/25 | 4' | In Situ | <250 | **3,380** | **311** | **3,690** | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **861** |
| TH-25 (1') | 10/16/25 | 1' | In Situ | <49.8 | **491** | **103** | **594** | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **1,260** |
| TH-25 (4') | 10/16/25 | 4' | In Situ | <250 | **1,440** | **258** | **1,700** | <0.0497 | <0.0497 | <0.0497 | <0.0994 | <0.0994 | **1,950** |
| TH-26 (1') | 10/16/25 | 1' | In Situ | <50.0 | <50.0 | **138** | **138** | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | **127** |
| TH-26 (4') | 10/16/25 | 4' | In Situ | <49.9 | <49.9 | **90.2** | **90.2** | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **405** |
| TH-27 (1') | 10/16/25 | 1' | In Situ | **1,320** | **10,900** | **415** | **12,600** | **0.116** | **0.235** | **9.80** | **20.6** | **30.7** | **162** |
| TH-27 (4') | 10/16/25 | 4' | In Situ | **1,650** | **11,700** | **290** | **13,600** | **0.213** | **1.14** | **10.5** | **31.3** | **43.15** | **179** |
| TH-28 (1') | 10/16/25 | 1' | In Situ | <49.9 | **143** | **99.9** | **243** | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **1,130** |
| TH-28 (4') | 10/16/25 | 4' | In Situ | <50.0 | <50.0 | **89.3** | **89.3** | <0.00202 | <0.00202 | <0.00202 | <0.00403 | <0.00403 | **2,460** |
| TH-29 (1') | 10/16/25 | 1' | In Situ | <250 | **7,810** | **259** | **8,070** | <0.00199 | <0.00199 | <0.00199 | **0.00986** | **0.00986** | **151** |
| TH-29 (4') | 10/16/25 | 4' | In Situ | <250 | **5,800** | **296** | **6,100** | <0.00200 | <0.00200 | <0.00200 | **0.00442** | **0.00442** | **247** |
| TH-30 (1') | 10/16/25 | 1' | In Situ | <49.9 | **3,900** | **118** | **4,020** | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **110** |
| TH-30 (4') | 10/16/25 | 4' | In Situ | <49.8 | **82.8** | **190** | **273** | <0.00198 | <0.00198 | <0.00198 | <0.00396 | <0.00396 | **104** |
| TH-31 (1') | 10/16/25 | 1' | In Situ | <49.8 | <49.8 | **138** | **138** | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 | **177** |
| TH-31 (4') | 10/16/25 | 4' | In Situ | <50.0 | <50.0 | **125** | **125** | <0.00200 | <0.00200 | <0.00200 | <0.00399 | <0.00399 | **188** |
| TH-32 (1') | 10/16/25 | 1' | In Situ | <49.8 | **54.2** | **108** | **162** | <0.00201 | <0.00201 | <0.00201 | <0.00402 | <0.00402 | **188** |
| TH-32 (4') | 10/16/25 | 4' | In Situ | <50.0 | <50.0 | **94.5** | **94.5** | <0.00199 | <0.00199 | <0.00199 | <0.00398 | <0.00398 | **827** |

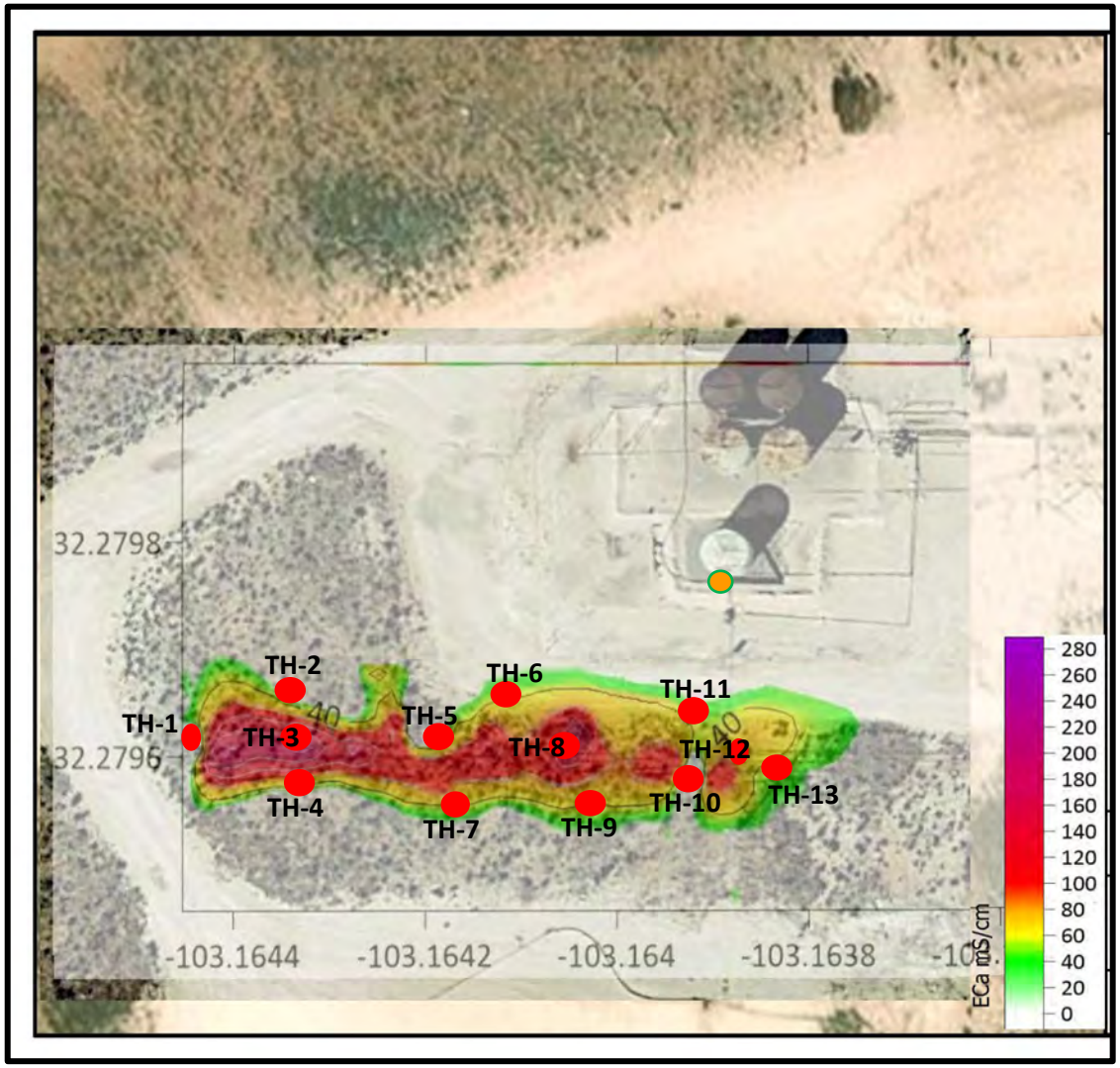
**Notes:**

1. GRO: Gasoline Range Organics
2. DRO: Diesel Range Organics
3. MRO: Motor Oil Range Organics
4. -: No NMOCD Closure Criteria established.
5. bgs: Below Ground Surface
6. Bold indicates the COC was above the appropriate laboratory method/sample detection limit.
7. < indicates the COC was below the appropriate laboratory method/sample detection limit.
8. F1: MS and/or MSD recovery exceeds control limits.

# FIGURES




| | | | |
|---|---|---|---|
| LEGEND:<br>Site Location<br><br>Base Map From GAIA GPS | **Figure 1**<br>**Site Location Map**<br><br>FAE II Operating, LLC<br>Lamunyon 56 / Central Tank Battery<br>Lea County, New Mexico | Drafted by: CC \| Checked by: CC<br>Draft: November 29, 2025<br>GPS: 32.2798670 -103.163569° | Grain Environmental |




LEGEND:

**TH-2** Soil Sample Location with Sample Number.

Release Point

Base Map From Google Earth Pro

**Figure 2**

**Sample Location Map**

FAE II Operating, LLC

Lamunyon #56/Central Battery

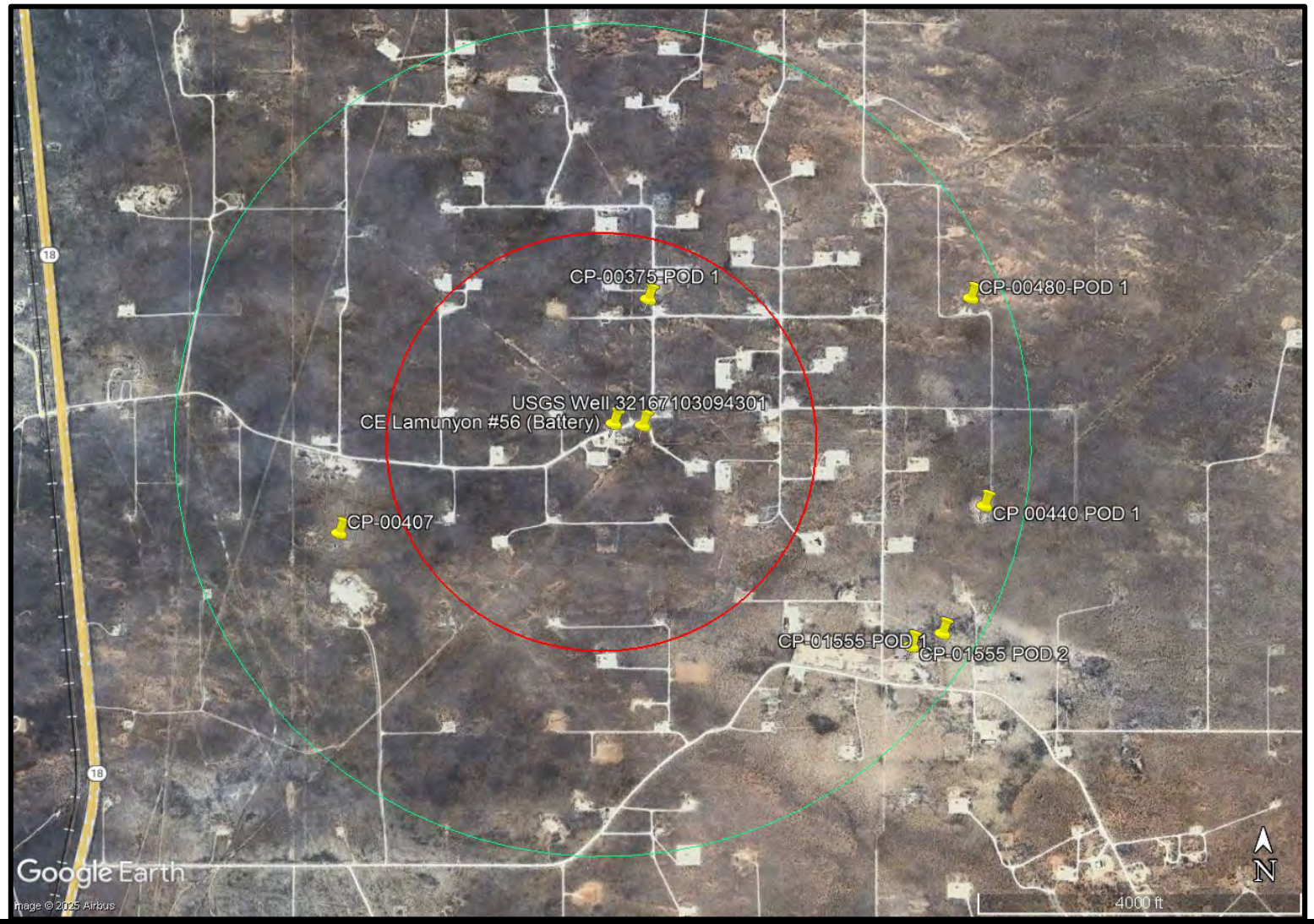
Lea County, New Mexico

Drafted by: CC | Checked by: CC

Draft: March 12, 2025

GPS: 32.2798670 -103.1635690

Grain Environmental




LEGEND:

- Site and Well Location
- 0.5-Mile Radius
- 1-Mile Radius

Base Map From Google Earth Pro

**Figure 3**

**Wellhead Protection Area Map**

FAE II Operating, LLC

Lamunyon 56 / Central Tank Battery

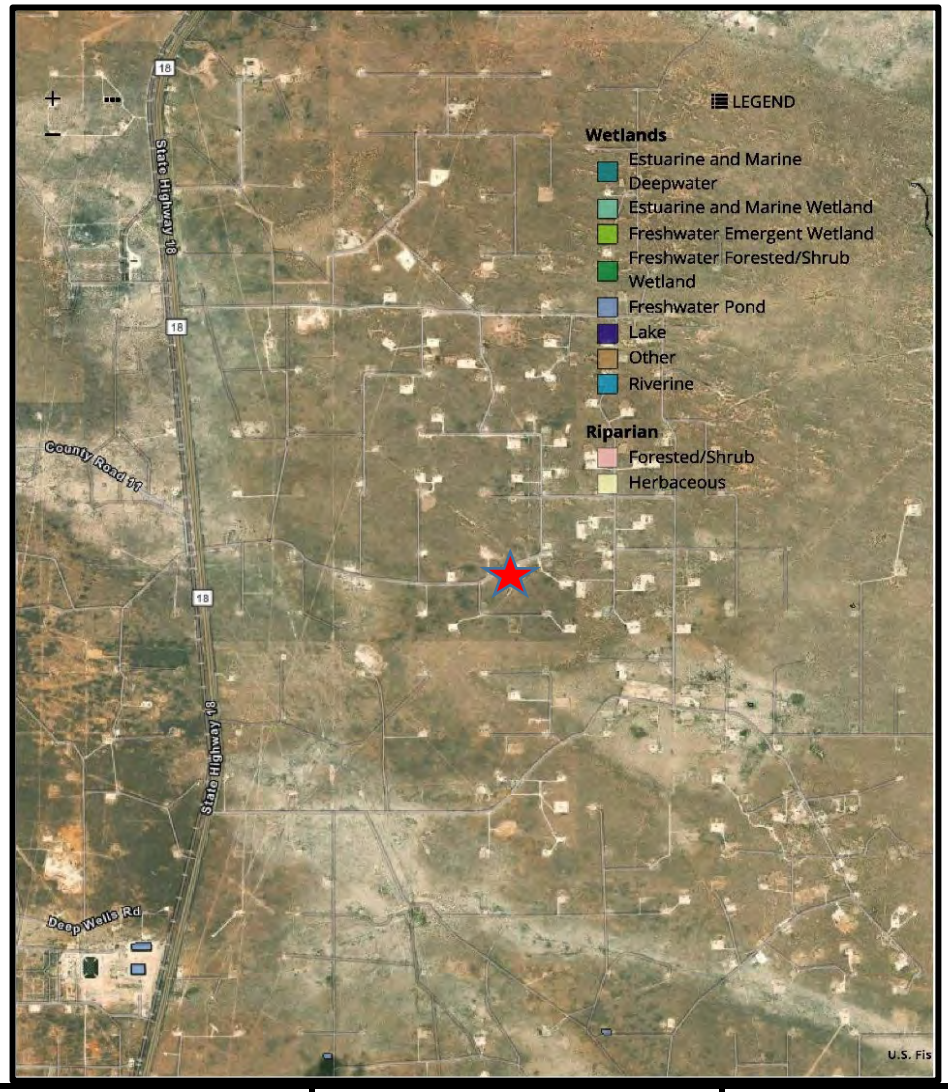
Lea County, New Mexico

Drafted by: CC | Checked by: CC

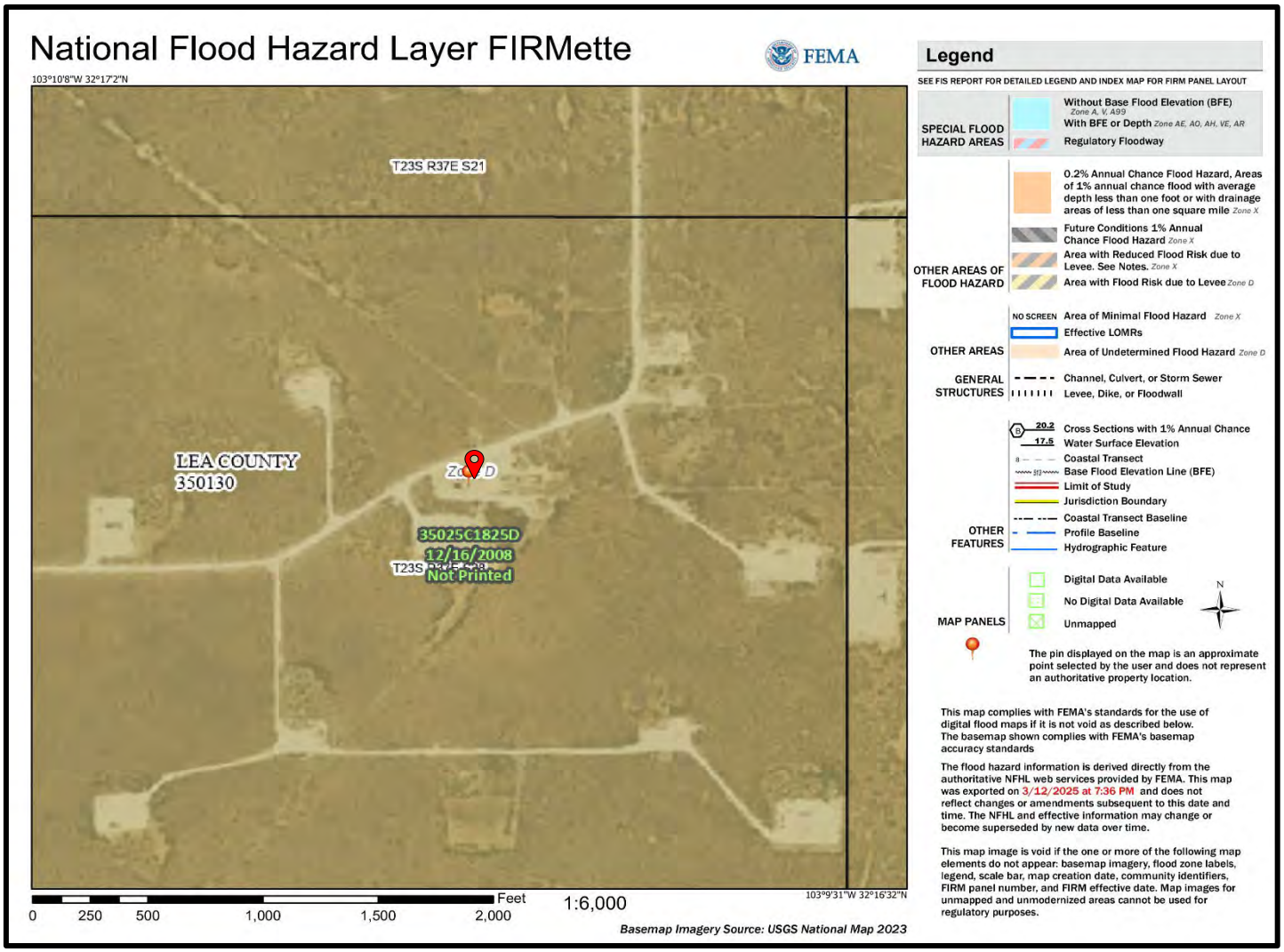
Draft: November 29, 2025

GPS: 32.2798670 -103.163569°

Crain Environmental




| | | | |
|---|---|---|---|
| LEGEND:<br>Site Location<br><br>Base Map From US Fish & Wildlife Service | **Figure 4**<br>**National Wetlands**<br>**Inventory Map**<br>FAE II Operating, LLC<br>Lamunyon 56 / Central Tank Battery<br>Lea County, New Mexico | Drafted by: CC \| Checked by: CC<br>Draft: November 29, 2025<br>GPS: 32.2798670 -103.163569° | Grain Environmental |




LEGEND:

Site Location

Base Map From FEMA

**Figure 5**

**FEMA Floodplain Map**

FAE II Operating, LLC

Lamunyon 56 / Central Tank Battery

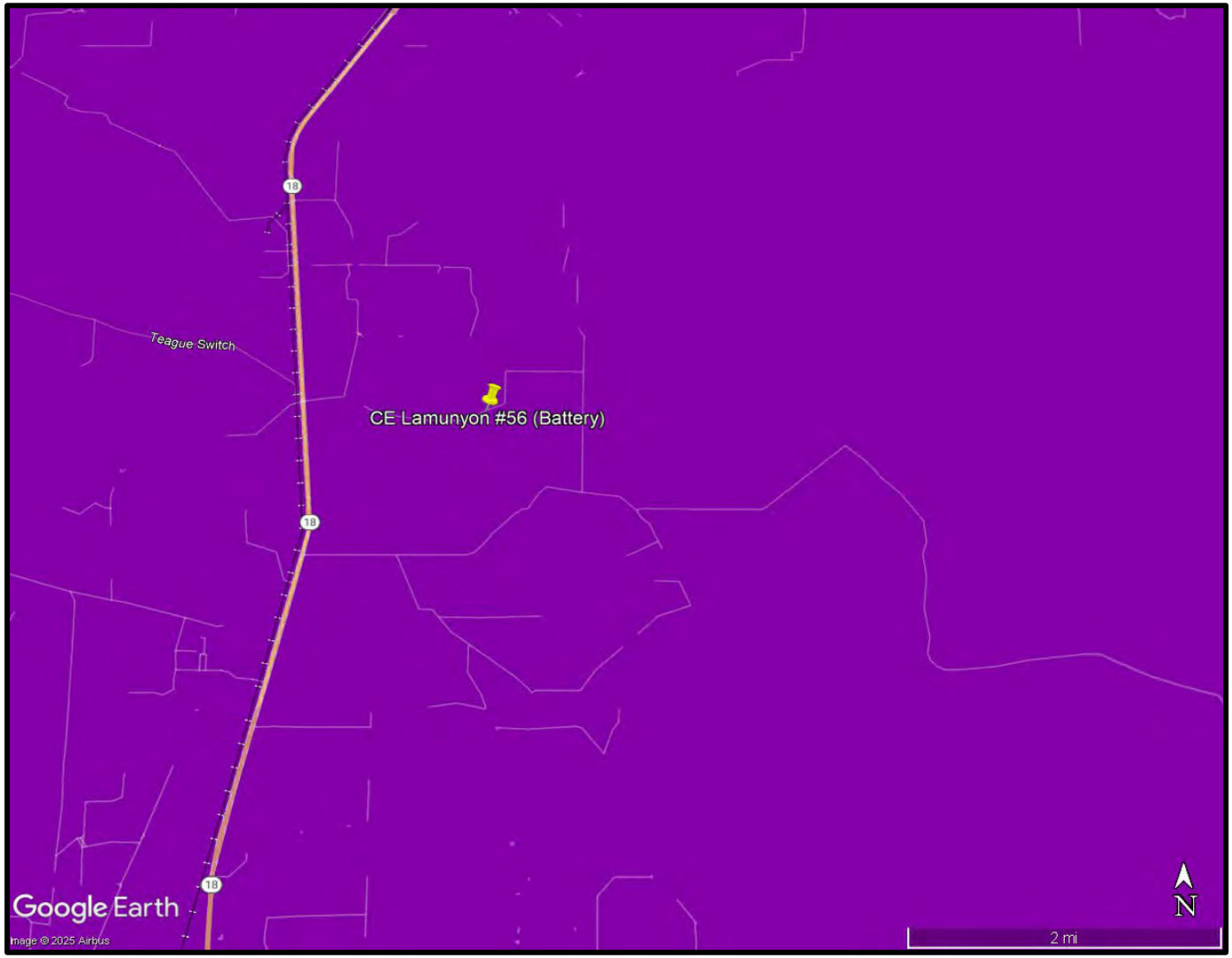
Lea County, New Mexico

Drafted by: CC | Checked by: CC

Draft: November 29, 2025

GPS: 32.2798670 -103.163569°

Grain Environmental




| | | | |
|---|---|---|---|
| LEGEND:<br>Low Karst Potential<br>Medium Karst Potential<br>High Karst Potential<br><br>Base Map From Google Earth Pro and BLM | **Figure 6**<br>**Karst Potential Map**<br><br>FAE II Operating, LLC<br>Lamunyon 56 / Central Tank Battery<br>Lea County, New Mexico | Drafted by: CC \| Checked by: CC<br>Draft: November 29, 2025<br>GPS: 32.2798670 -103.163569° | Grain Environmental |


LEGEND:

TH-14 Test Hole Location

Approximate Remediation Boundary

Base Map From Google Earth Pro (2/27/23)

**Figure 7**

**Sample Location Map**

FAE II Operating, LLC

Lamunyon #56/Central Battery

Lea County, New Mexico

| | |
|---|---|
| Drafted by: CC \| Checked by: CC | |
| Draft: November 29, 2025 | |
| GPS: | 32.2798670 -103.1635690 |

Grain Environmental

Grain Environmental

# Appendix A: NMOCD Correspondence

Gmail Cindy Crain <cindy.crain@gmail.com>

# FW: FAE II Operating C141 Extension Request for Incident # nAPP2412157442 (C E Lamunyon #056)

1 message

**Adam Holcomb** <adam@faenergyus.com> Wed, Dec 4, 2024 at 1:18 PM
To: Cindy Crain <cindy.crain@gmail.com>

**From:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
**Sent:** Thursday, October 3, 2024 8:14 AM
**To:** Alex Bolanos <alex@faenergyus.com>
**Cc:** Adam Holcomb <adam@faenergyus.com>
**Subject:** FAE II Operating C141 Extension Request for Incident # nAPP2412157442 (C E Lamunyon #056)

Good morning Alex,

Thank you for the correspondence.

The incident remediation closure report due date (RCRDD) had lapsed after July 29, 2024. In the future, please submit your requests prior to its RCRDD. Failure to do so may result in any request being denied.

Given the circumstance, your request for a time extension request is approved. The Remediation Due date has been updated to 12/27/2024.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, time extension requests, sample event notifications, and variance requests.

If you have any questions, please contact me via email at your convenience. Thank you.

Regards,

**Nelson Velez** ● Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov

http://www.emnrd.nm.gov/ocd

**Previous email submittal:**

**Alex Bolanos<alex@faenergyus.com>**

**To:Velez, Nelson, EMNRD**

**Cc:Adam Holcomb <adam@faenergyus.com>**

**Wed 10/2/2024 9:31 AM**

**CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.**

**Nelson,**

**I hope all is well with you. There are a few releases that we are still working through that we would like to try a get an extension on. Please see below:**

| Incident Number | Location |
|---|---|
| nAPP2411049662 | LAMUNYON 022 |
| nAPP2410851745 | LAMUNYON 023 |

| | |
|---|---|
| nAPP2412157442 | LAMUNYON 056 |

**These are behind because we have devoted our resources to closing out (5) other FAE II releases. Please see below:**

| Incident Number | Location |
|---|---|
| nAPP2225654053 | Farnsworth 4 #007 / SWD |
| NAPP2336333754 | EC HILL B 001 |
| nAPP2321657306 | Eva Blineberry #20 |
| nAPP2304957943 | Arnott Ramsay NCT-B Battery |
| nAPP2228055393 | TOM CLOSSON #1 BATT (HISTORICAL) |

**Now that we have gotten the above submitted for closure, we are able to free up our consultant(s) and field operators. We intend on having them complete the next (3) through the end of the year.**

**Please let me know if you need additional information or would like to discuss.**

**Thanks Nelson.**

**Alex Bolanos**

**Regulatory/Production**

**Forty Acres Energy**

**(c) 836-689-3788**

**alex@faenergyus.com**

# RE: FAE II Operating C141 Extension Request

Inbox

**Alex Bolanos**
to Nelson,, Adam, Billy, me, Rogelio

Dec 16, 2024, 4:49 PM

Nelson,

We are still working through these (3) incidents. Please see working updates below for each of them.

- Tom Closson (Incident #nAPP2228055393) - current due date is 12/16/24 – Depth to water 100' bgs has been confirmed at Tom Closson. Confirmed we will use Hydroger instead of micro-blaze for treatment. Now gathering treatment info for Hydrogen Peroxide.
- Lamunyon 56 (Incident #nAPP2412157442) - current due date is 12/17/24 – EM Survey Complete, now confirmation sampling to be completed shortly.
- Lamunyon 23 (Incident #nAPP2410851745) - current due date is 12/16/24 – EM Survey Complete, now confirmation sampling to be completed shortly.

Accordingly, we are requesting a 90-day extension in order to complete confirmation sampling for the Lamunyon wells and complete the treatment plan and treat the Tom Closson. W have the reports before the end of the requested extension.

Thanks,
Alex Bolanos

---

**From:** Alex Bolanos
**Sent:** Wednesday, October 2, 2024 10:31 AM
**To:** Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
**Cc:** Adam Holcomb <adam@faenergyus.com>
**Subject:** FAE II Operating C141 Extension Request

Nelson,

I hope all is well with you. There are a few releases that we are still working through that we would like to try a get an extension on. Please see below:

| Incident Number | Location |
|---|---|
| nAPP2411049662 | LAMUNYON 022 |
| nAPP2410851745 | LAMUNYON 023 |
| nAPP2412157442 | LAMUNYON 056 |

These are behind because we have devoted our resources to closing out (5) other FAE II releases. Please see below:

| Incident Number | Location |
|---|---|
| nAPP2225654053 | Farnsworth 4 #007 / SWD |
| NAPP2336333754 | EC HILL B 001 |
| nAPP2321657306 | Eva Blineberry #20 |
| nAPP2304957943 | Arnott Ramsay NCT-B Battery |
| nAPP2228055393 | TOM CLOSSON #1 BATT (HISTORICAL) |

Now that we have gotten the above submitted for closure, we are able to free up our consultant(s) and field operators. We intend on having them complete the next (3) through the year.

Please let me know if you need additional information or would like to discuss.

Thanks Nelson.

Alex Bolanos
Regulatory/Production
Forty Acres Energy
(c) 836-689-3788
alex@faenergyus.com

---

**Velez, Nelson, EMNRD**
to Alex, Adam, Billy, me, Rogelio

Dec 19, 2024, 4:18 PM

Good afternoon Alex,

Thanks for the correspondence. In reviewing the 3 incidents, the following are my determination for each;

1. Tom Closson #001 - time extension is denied. Please re-submit your remediation plan addressing the reasons of rejection or the final remediation closu as soon as possible.
2. Lamunyon 23 - 90-day time extension is approved. Remediation Due date has been updated to March 17, 2025.
3. Lamunyon 56 - 90-day time extension is approved. Remediation Due date has been updated to March 17, 2025.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence requirec included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variar

Regards,

**Nelson Velez** • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd

Gmail

Cindy Crain <cindy.crain@gmail.com>

# The Oil Conservation Division (OCD) has approved the application, Application ID: 442697

1 message

**OCDOnline@state.nm.us** <OCDOnline@state.nm.us> Tue, Apr 22, 2025 at 3:47 PM
To: cindy.crain@gmail.com

To whom it may concern (c/o Cindy Crain for FAE II Operating LLC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2412157442,
with the following conditions:

- **The site characterization and remediation report is approved to include the following conditions of approval: 1. The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old; well construction information should be provided in the submission. The OCD notes that The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater. 2. The OCD notes that the release occurred off-pad in a pasture area, please collect samples at 1' and at 4'. The request to collect samples at 1' and 2' bgs is not approved for the remediation work plan.**
- **This is the final extension request that will be approved for 90-days from the date of this approval on 04/22/2025. Please submit the remediation closure report no later than 07/21/2025.**

The signed C-141 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,
Michael Buchanan
Environmental Specialist
505-490-0798
Michael.Buchanan@emnrd.nm.gov

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

Gmail

Cindy Crain <cindy.crain@gmail.com>

# The Oil Conservation Division (OCD) has rejected the application, Application ID: 487775

1 message

**OCDOnline@state.nm.us** <OCDOnline@state.nm.us> Fri, Aug 1, 2025 at 4:41 PM
To: cindy.crain@gmail.com

To whom it may concern (c/o Cindy Crain for FAE II Operating LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2412157442,
for the following reasons:

- **The Remediation Summary and Closure Report is denied based on the following: There have been no delineation soil samples collected near and around the storage tank-- the source of the release-- to the vegetated area of concern. Samples must be collected in this area in question. No liner inspection was conducted nor photos of the lined containment provided in the report. Provide an explanation to the OCD on how 150 bbls of crude oil flowed into this area as displayed in the sampling diagram in Figure 2. of the report. The OCD notes that there is no indication that there was an oil release, only potholes in the photos from a piece of heavy equipment. Lastly, the OCD notes that there are several incidents adjacent to this one that remain open, which include: NRM2033632817, nOY1831238090, and nSAP0334425865. These incidents are also required to be addressed as they remain open and have significant overlap with the incident in question, nAPP2412157442 Lamunyon #056.**
- **The photo with the water level interface probe must be retaken with a clear photo and measurement displayed, as it is unclear from the photo provided what that measurement is. It is preferred that the well construction documents be provided with the information. The photos do not convey any kind of scrape to the surface of the soil where contamination occurred. Provide a revised remediation plan to include a liner inspection report to the OCD no later than thirty (30) days from receipt of this determination, 09/01/2025.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 487775.
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,
Michael Buchanan
Environmental Specialist
505-490-0798
Michael.Buchanan@emnrd.nm.gov

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

Gmail

Cindy Crain <cindy.crain@gmail.com>

# FAE II, Lamunyon 56 (Central Tank Battery) - Incident #nAPP2412157442

8 messages

**Cindy Crain** <cindy.crain@gmail.com> Thu, Aug 28, 2025 at 12:11 PM
To: "Buchanan, Michael, EMNRD" <Michael.Buchanan@emnrd.nm.gov>
Bcc: Billy Moore <billy@faenergyus.com>

Mike,

A liner inspection has been conducted at Incident #nAPP2412157442, and I have a few questions for you regarding the path forward on this project.
You have responded that you will call me back soon, and that this project may require a meeting.

As the rejection of the Closure Report included a due date of September 1, 2025 for submission of a revised report, FAE II respectfully requests a 90-day extension to discuss the project with OCD and submit the proper report.

Please let me know if you have any questions or need additional information.

Thank you,
Cindy Crain
--
*Crain Environmental*
*2925 East 17th Street*
*Odessa, TX 79761*
*(575) 441-7244*

**Buchanan, Michael, EMNRD** <Michael.Buchanan@emnrd.nm.gov> Thu, Aug 28, 2025 at 12:26 PM
To: Cindy Crain <cindy.crain@gmail.com>

Good morning, Cindy

The 90-day extension request for the FAE II site, Lamunyon #56 is approved. Please keep a copy of this for your records and include this in the next report submission. The incident has been updated to reflect this deadline change. The new due date to submit the remediation closure report will be no later than 12/01/2025. The incident file has been updated to reflect this change.

Thank you,

**From:** Cindy Crain <cindy.crain@gmail.com>
**Sent:** Thursday, August 28, 2025 11:11 AM
**To:** Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
**Subject:** [EXTERNAL] FAE II, Lamunyon 56 (Central Tank Battery) - Incident #nAPP2412157442

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

[Quoted text hidden]

---

**Cindy Crain** <cindy.crain@gmail.com> Thu, Aug 28, 2025 at 12:30 PM
To: "Buchanan, Michael, EMNRD" <Michael.Buchanan@emnrd.nm.gov>, Billy Moore <billy@faenergyus.com>

Thank you, Mike.

***Crain Environmental***
***2925 East 17th Street***
***Odessa, TX 79761***
***(575) 441-7244***

[Quoted text hidden]

---

**Buchanan, Michael, EMNRD** <Michael.Buchanan@emnrd.nm.gov> Wed, Sep 3, 2025 at 5:47 PM
To: Cindy Crain <cindy.crain@gmail.com>

Good afternoon, Cindy

I'm getting back with you to propose having a meeting with your folks at FAE II and OCD for the incident on 09/10/2025 at 1 pm (MST). Will this work? If not, we can see about another time and date if you all have one in mind. We're looking at setting up a Teams meeting virtually. Just keep in mind, Tuesday (09/09/2025), I will be out.

Thank you,

**From:** Cindy Crain <cindy.crain@gmail.com>
**Sent:** Thursday, August 28, 2025 11:11 AM
**To:** Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
**Subject:** [EXTERNAL] FAE II, Lamunyon 56 (Central Tank Battery) - Incident #nAPP2412157442

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

[Quoted text hidden]

---

**Cindy Crain** <cindy.crain@gmail.com> Thu, Sep 4, 2025 at 9:27 AM
To: Billy Moore <billy@faenergyus.com>

Billy,

Please see OCD email below and let me know if the proposed meeting time works for you (if you want to attend).

Thanks!

Cindy Crain, P.G.
(575) 441-7244
cindy.crain@gmail.com

Begin forwarded message:

> **From:** "Buchanan, Michael, EMNRD" <Michael.Buchanan@emnrd.nm.gov>
> **Date:** September 3, 2025 at 5:47:29 PM CDT
> **To:** Cindy Crain <cindy.crain@gmail.com>
> **Subject: RE: [EXTERNAL] FAE II, Lamunyon 56 (Central Tank Battery) - Incident #nAPP2412157442**
>
> [Quoted text hidden]

---

**Cindy Crain** <cindy.crain@gmail.com> Thu, Sep 4, 2025 at 9:29 AM
To: Buchanan Michael EMNRD <Michael.Buchanan@emnrd.nm.gov>

Thank you, Mike-

I'm checking with FAE II about the meeting time, and will let you know as soon as I receive confirmation.

Sincerely,

Cindy Crain, P.G.
(575) 441-7244
cindy.crain@gmail.com

> On Sep 3, 2025, at 5:47 PM, Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov> wrote:
>
> [Quoted text hidden]

---

**Billy Moore** <billy@faenergyus.com> Thu, Sep 4, 2025 at 11:05 AM
To: Cindy Crain <cindy.crain@gmail.com>

Yes that is fine.

Get Outlook for iOS

---

**From:** Cindy Crain <cindy.crain@gmail.com>
**Sent:** Thursday, September 4, 2025 8:27:11 AM
**To:** Billy Moore <billy@faenergyus.com>
**Subject:** Fwd: [EXTERNAL] FAE II, Lamunyon 56 (Central Tank Battery) - Incident #nAPP2412157442

[Quoted text hidden]

---

**Cindy Crain** <cindy.crain@gmail.com> Thu, Sep 4, 2025 at 10:08 PM
To: Buchanan Michael EMNRD <Michael.Buchanan@emnrd.nm.gov>
Cc: Billy Moore <billy@faenergyus.com>

Mike,

1 pm (MST) on 9/10/25 will work for a Teams meeting to discuss Lamunyon 56 (CTB).

We'll look forward to receiving an invite.

Thank you,
Cindy Crain
[Quoted text hidden]

# Appendix B: NMOSE Point of Diversion Summaries

# Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

| Well Tag | POD Nbr | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y | Map |
|---|---|---|---|---|---|---|---|---|---|---|
| | CP 00407 | | SW | NW | 28 | 23S | 37E | 671939.0 | 3572624.0 * | |

*** UTM location was derived from PLSS - see Help**

| | | |
|---|---|---|
| **Driller License:** | **Driller Company:** | |
| **Driller Name:** | | |
| **Drill Start Date:** | **Drill Finish Date:** | **Plug Date:** |
| **Log File Date:** | **PCW Rcv Date:** | **Source:** |
| **Pump Type:** | **Pipe Discharge Size:** | **Estimated Yield:** |
| **Casing Size:** | **Depth Well:** | **Depth Water:** |

# Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

| Well Tag | POD Nbr | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y | Map |
|---|---|---|---|---|---|---|---|---|---|---|
| | CP 00440 POD1 | | SW | NE | 27 | 23S | 37E | 674354.0 | 3572663.0 * | |

*** UTM location was derived from PLSS - see Help**

| | | |
|---|---|---|
| **Driller License:** | **Driller Company:** | |
| **Driller Name:** | | |
| **Drill Start Date:** | **Drill Finish Date:** | **Plug Date:** |
| **Log File Date:** | **PCW Rcv Date:** | **Source:** |
| **Pump Type:** | **Pipe Discharge Size:** | **Estimated Yield:** |
| **Casing Size:** | **Depth Well:** | **Depth Water:** |

# Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

| Well Tag | POD Nbr | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y | Map |
|---|---|---|---|---|---|---|---|---|---|---|
| | CP 00480 POD1 | | SW | SE | 22 | 23S | 37E | 674340.0 | 3573467.0 * | |

*** UTM location was derived from PLSS - see Help**

| | | | | | |
|---|---|---|---|---|---|
| **Driller License:** | 466 | **Driller Company:** | CLARKE OIL WELL SERVICING, INC | | |
| **Driller Name:** | BAILEY, IKE | | | | |
| **Drill Start Date:** | 1968-04-14 | **Drill Finish Date:** | 1970-04-27 | **Plug Date:** | |
| **Log File Date:** | 1970-05-04 | **PCW Rcv Date:** | | **Source:** | Shallow |
| **Pump Type:** | | **Pipe Discharge Size:** | | **Estimated Yield:** | |
| **Casing Size:** | 5.50 | **Depth Well:** | 6281 | **Depth Water:** | 600 |

## Water Bearing Stratifications:

| Top | Bottom | Description |
|---|---|---|
| 3861 | 5036 | Other/Unknown |

## Casing Perforations:

| Top | Bottom |
|---|---|
| 4207 | 4548 |

# Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

| Well Tag | POD Nbr | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y | Map |
|---|---|---|---|---|---|---|---|---|---|---|
| | CP 01555 POD1 | SW | NW | SE | 27 | 23S | 37E | 674227.9 | 3572201.6 | |

*** UTM location was derived from PLSS - see Help**

| | | |
|---|---|---|
| **Driller License:** | **Driller Company:** | |
| **Driller Name:** | | |
| **Drill Start Date:** | **Drill Finish Date:** | **Plug Date:** |
| **Log File Date:** | **PCW Rcv Date:** | **Source:** |
| **Pump Type:** | **Pipe Discharge Size:** | **Estimated Yield:** |
| **Casing Size:** | **Depth Well:** | **Depth Water:** |

# Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

| Well Tag | POD Nbr | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y | Map |
|---|---|---|---|---|---|---|---|---|---|---|
| | CP 01555 POD2 | SE | NE | SW | 27 | 23S | 37E | 674093.3 | 3572109.9 | |

*** UTM location was derived from PLSS - see Help**

| | | |
|---|---|---|
| **Driller License:** | **Driller Company:** | |
| **Driller Name:** | | |
| **Drill Start Date:** | **Drill Finish Date:** | **Plug Date:** |
| **Log File Date:** | **PCW Rcv Date:** | **Source:** |
| **Pump Type:** | **Pipe Discharge Size:** | **Estimated Yield:** |
| **Casing Size:** | **Depth Well:** | **Depth Water:** |

# Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

| Well Tag | POD Nbr | Q64 | Q16 | Q4 | Sec | Tws | Rng | X | Y | Map |
|---|---|---|---|---|---|---|---|---|---|---|
| | CP 00375 POD1 | | SE | SE | 21 | 23S | 37E | 673133.0 | 3573448.0 * | |

*** UTM location was derived from PLSS - see Help**

| | | | | | |
|---|---|---|---|---|---|
| **Driller License:** | 122 | **Driller Company:** | UNKNOWN | | |
| **Driller Name:** | | | | | |
| **Drill Start Date:** | | **Drill Finish Date:** | | **Plug Date:** | |
| **Log File Date:** | | **PCW Rcv Date:** | | **Source:** | Shallow |
| **Pump Type:** | | **Pipe Discharge Size:** | | **Estimated Yield:** | |
| **Casing Size:** | 6.75 | **Depth Well:** | 160 | **Depth Water:** | |

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

## Search Results -- 1 sites found

**Agency code =** usgs
**site_no list =**
- 321647103094301

**Minimum number of levels =** 1
Save file of selected sites to local disk for future upload

---

## USGS 321647103094301 23S.37E.21.443221

Lea County, New Mexico
Latitude 32°16'47", Longitude 103°09'43" NAD27
Land-surface elevation 3,289 feet above NAVD88
The depth of the well is 160 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

**Output formats**

| Table of data |
|---|
| Tab-separated data |
| Graph of data |
| Reselect period |

| Date | Time | ? Water-level date-time accuracy | ? Parameter code | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Status | ? Method of measurement | ? Measuring agency | ? Source measur |
|---|---|---|---|---|---|---|---|---|---|---|
| 1965-11-03 | | D | 62610 | | 3194.09 | NGVD29 | 1 | Z | | |
| 1965-11-03 | | D | 62611 | | 3195.37 | NAVD88 | 1 | Z | | |
| 1965-11-03 | | D | 72019 | 93.63 | | | 1 | Z | | |
| 1968-03-01 | | D | 62610 | | 3194.19 | NGVD29 | 1 | Z | | |
| 1968-03-01 | | D | 62611 | | 3195.47 | NAVD88 | 1 | Z | | |
| 1968-03-01 | | D | 72019 | 93.53 | | | 1 | Z | | |
| 1970-12-16 | | D | 62610 | | 3194.22 | NGVD29 | 1 | Z | | |
| 1970-12-16 | | D | 62611 | | 3195.50 | NAVD88 | 1 | Z | | |
| 1970-12-16 | | D | 72019 | 93.50 | | | 1 | Z | | |
| 1976-01-15 | | D | 62610 | | 3194.37 | NGVD29 | 1 | Z | | |
| 1976-01-15 | | D | 62611 | | 3195.65 | NAVD88 | 1 | Z | | |
| 1976-01-15 | | D | 72019 | 93.35 | | | 1 | Z | | |

**Explanation**

| Section | Code | Description |
|---|---|---|
| Water-level date-time accuracy | D | Date is accurate to the Day |

| Section | Code | Description |
|---|---|---|
| Parameter code | 62610 | Groundwater level above NGVD 1929, feet |
| Parameter code | 62611 | Groundwater level above NAVD 1988, feet |
| Parameter code | 72019 | Depth to water level, feet below land surface |
| Referenced vertical datum | NAVD88 | North American Vertical Datum of 1988 |
| Referenced vertical datum | NGVD29 | National Geodetic Vertical Datum of 1929 |
| Status | 1 | Static |
| Method of measurement | Z | Other. |
| Measuring agency | | Not determined |
| Source of measurement | | Not determined |
| Water-level approval status | A | Approved for publication -- Processing and review completed. |

Questions or Comments
Help
Data Tips
Explanation of terms
Subscribe for system changes

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

**Title: Groundwater for USA: Water Levels**
**URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?**

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2025-11-30 13:16:33 EST
0.36 0.31 nadww02

# Appendix C: Photographic Documentation

APPENDIX C
PHOTOGRAPHIC DOCUMENTATION
LAMUNYON 56 (CENTRAL TANK BATTERY)


View of well sign (1/16/25).

View to W of TH-13 (1/16/25).

View to W of TH-12 (1/16/25).


View to SE of TH-10 and TH-11 (1/16/25).

View to N of TH-10 (1/16/25)

View to NW of TH-9 (1/16/25).

APPENDIX C
PHOTOGRAPHIC DOCUMENTATION
LAMUNYON 56 (CENTRAL TANK BATTERY)

View to SE of TH-8 and TH-9 (1/16/25).


View to NE of TH-7 (1/16/25).


View to NE of TH-6 (1/16/25).


View to NE of TH-5 (1/16/25).


View to E of TH-4 (1/16/25).

View to E of TH-3 and TH-4 (1/16/25).


View to NW of TH-1 (1/16/25).


View to W of TH-2 (1/16/25).

APPENDIX C
PHOTOGRAPHIC DOCUMENTATION
LAMUNYON 56 (CENTRAL TANK BATTERY)


View of well CP 00375 POD 1 (4/23/25).


View of well CP 00375 POD 1 (4/23/25).


View of tape measure in well CP 00375 POD 1 (4/23/25).


View of tape measure in well CP 00375 POD 1 (8/7/25).


View of end of probe after measuring well CP 00375 POD 1 (8/7/25).


View to N of TH-15 test hole (10/16/25).

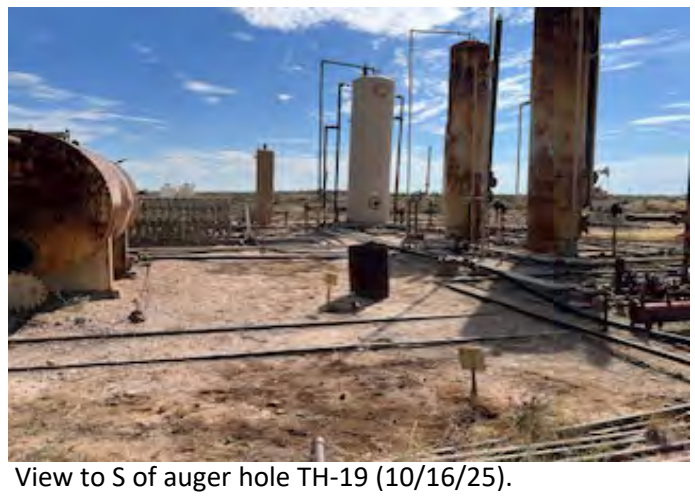
APPENDIX C
PHOTOGRAPHIC DOCUMENTATION
LAMUNYON 56 (CENTRAL TANK BATTERY)

View to NE of test hole TH-14 (10/16/25).

View to N of test hole TH-16 (10/16/25).

View to NE of test hole TH-17 (10/16/25).

View to E of auger hole TH-18 flag (10/16/25).



View to S of auger hole TH-19 (10/16/25).

View to S of test hole TH-20 (10/16/25).

View to SW of test hole TH-21 (10/16/25).

View to SW of test hole TH-22 (10/16/25).

APPENDIX C
PHOTOGRAPHIC DOCUMENTATION
LAMUNYON 56 (CENTRAL TANK BATTERY)


View to SW of test hole TH-23 (10/16/25).


View to W of test hole TH-24 (10/16/25).


View to W of test hole TH-25 (10/16/25).


View to NW of test hole TH-26 (10/16/25).


View to W of test hole TH-27 (10/16/25).


View to NW of test hole TH-28 (10/16/25).


View to NW of test hole TH-29 (10/16/25).


View to SW of test hole TH-30 (10/16/25).

APPENDIX C
PHOTOGRAPHIC DOCUMENTATION
LAMUNYON 56 (CENTRAL TANK BATTERY)


View to SW of test hole TH-31 (10/16/25).


View to E of test hole TH-32 (10/16/25).


View to E of liner at water tank (8/7/25).


View to S of liner at water tank (8/7/25).

Grain Environmental

# Appendix D: Laboratory Reports and Chain-of-Custody Documentation

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Cindy Crain
Crain Environmental
2925 E. 17th St.
Odessa, Texas 79761

Generated 1/22/2025 1:38:41 PM

## JOB DESCRIPTION

Lamunyon 561 CTB
Lea CO NM

## JOB NUMBER

880-53358-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.





my EOL

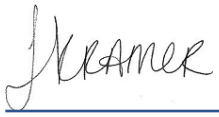
# Eurofins Midland

## 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
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Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Laboratory Job ID: 880-53358-1
SDG: Lea CO NM

# Table of Contents

# Definitions/Glossary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO 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, low biased. |
| *+ | LCS and/or LCSD is outside acceptance limits, high biased. |
| 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. |
|---|---|
| ☼ | 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: Crain Environmental
Project: Lamunyon 561 CTB

Job ID: 880-53358-1

## Job ID: 880-53358-1 Eurofins Midland

**Job Narrative**
**880-53358-1**

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 1/17/2025 8:27 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.

**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 880-100557 and analytical batch 880-100650 was outside the control limits.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-100557 and analytical batch 880-100650 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: TH-6 (4.1') (880-53358-12), TH-7 (4.1') (880-53358-14), TH-8 (1') (880-53358-15), TH-8 (4.1') (880-53358-16), TH-9 (1') (880-53358-17), TH-10 (4.1') (880-53358-20) and TH-13 (4.1') (880-53358-26). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: TH-7 (1') (880-53358-13), TH-10 (1') (880-53358-19), TH-11 (1') (880-53358-21), TH-11 (4.1') (880-53358-22), (880-53358-A-12-C MS) and (880-53358-A-12-D MSD). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: TH-2 (1') (880-53358-3), TH-4 (1') (880-53358-7), TH-4 (4.1') (880-53358-8), TH-5 (4.1') (880-53358-10), TH-6 (1') (880-53358-11) and (LCSD 880-100556/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-100556 and analytical batch 880-100739 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.

**HPLC/IC**
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-100602 and analytical batch 880-100629 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.

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-1 (1')

**Lab Sample ID: 880-53358-1**
**Matrix: Solid**
**Date Collected: 01/16/25 11:30**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:02 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:02 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:02 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:02 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:02 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:02 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 14:02* | *1* |
| *1,4-Difluorobenzene (Surr)* | *96* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 14:02* | *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 | | mg/Kg | | | 01/17/25 14:02 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 01/21/25 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 | <49.8 | U | 49.8 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 15:22 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U *+ | 49.8 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 15:22 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 15:22 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *78* | | *70 - 130* | *01/17/25 11:29* | *01/21/25 15:22* | *1* |
| *o-Terphenyl* | *73* | | *70 - 130* | *01/17/25 11:29* | *01/21/25 15:22* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <2.02 | U | 2.02 | | mg/Kg | | | 01/20/25 20:25 | 1 |

## Client Sample ID: TH-1 (4.1')

**Lab Sample ID: 880-53358-2**
**Matrix: Solid**
**Date Collected: 01/16/25 11:45**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:22 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:22 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:22 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:22 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:22 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:22 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *107* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 14:22* | *1* |
| *1,4-Difluorobenzene (Surr)* | *97* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 14:22* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-1 (4.1')

**Lab Sample ID: 880-53358-2**
**Matrix: Solid**
**Date Collected: 01/16/25 11:45**
**Date Received: 01/17/25 08:27**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 01/17/25 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 | <49.7 | U | 49.7 | | mg/Kg | | | 01/21/25 15:51 | 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 | <49.7 | U | 49.7 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 15:51 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.7 | U *+ | 49.7 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 15:51 | 1 |
| Oil Range Organics (Over C28-C36) | <49.7 | U | 49.7 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 15:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *78* | | *70 - 130* | *01/17/25 11:29* | *01/21/25 15:51* | *1* |
| *o-Terphenyl* | *73* | | *70 - 130* | *01/17/25 11:29* | *01/21/25 15:51* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <2.00 | U | 2.00 | | mg/Kg | | | 01/20/25 20:31 | 1 |

## Client Sample ID: TH-2 (1')

**Lab Sample ID: 880-53358-3**
**Matrix: Solid**
**Date Collected: 01/16/25 11:50**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:43 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:43 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:43 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:43 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:43 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 14:43 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *88* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 14:43* | *1* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 14:43* | *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 | | mg/Kg | | | 01/17/25 14:43 | 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 | | | 01/21/25 16:05 | 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 | 50.0 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 16:05 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *+ | 50.0 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 16:05 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-2 (1')

**Lab Sample ID: 880-53358-3**
**Matrix: Solid**
**Date Collected: 01/16/25 11:50**
**Date Received: 01/17/25 08:27**

### 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 | | 01/17/25 11:29 | 01/21/25 16:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *65* | *S1-* | *70 - 130* | *01/17/25 11:29* | *01/21/25 16:05* | *1* |
| *o-Terphenyl* | *63* | *S1-* | *70 - 130* | *01/17/25 11:29* | *01/21/25 16:05* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <1.99 | U | 1.99 | | mg/Kg | | | 01/20/25 20:37 | 1 |

## Client Sample ID: TH-2 (4.1')

**Lab Sample ID: 880-53358-4**
**Matrix: Solid**
**Date Collected: 01/16/25 12:05**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:03 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:03 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:03 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:03 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:03 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 15:03* | *1* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 15:03* | *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 | | mg/Kg | | | 01/17/25 15:03 | 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 | | | 01/21/25 16:19 | 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 | <50.0 | U | 50.0 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 16:19 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *+ | 50.0 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 16:19 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 16:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *89* | | *70 - 130* | *01/17/25 11:29* | *01/21/25 16:19* | *1* |
| *o-Terphenyl* | *83* | | *70 - 130* | *01/17/25 11:29* | *01/21/25 16:19* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <1.98 | U | 1.98 | | mg/Kg | | | 01/20/25 20:54 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-3 (1')

**Lab Sample ID: 880-53358-5**
**Matrix: Solid**
**Date Collected: 01/16/25 12:10**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:24 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:24 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:24 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:24 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:24 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:24 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *90* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 15:24* | *1* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 15:24* | *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 | | mg/Kg | | | 01/17/25 15:24 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/21/25 16:33 | 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 | <49.9 | U | 49.9 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 16:33 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U *+ | 49.9 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 16:33 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 16:33 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *80* | | *70 - 130* | *01/17/25 11:29* | *01/21/25 16:33* | *1* |
| *o-Terphenyl* | *78* | | *70 - 130* | *01/17/25 11:29* | *01/21/25 16:33* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <2.02 | U | 2.02 | | mg/Kg | | | 01/20/25 20:59 | 1 |

## Client Sample ID: TH-3 (4.1')

**Lab Sample ID: 880-53358-6**
**Matrix: Solid**
**Date Collected: 01/16/25 12:25**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:44 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:44 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:44 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:44 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:44 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 15:44 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 15:44* | *1* |
| *1,4-Difluorobenzene (Surr)* | *96* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 15:44* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-3 (4.1')

**Lab Sample ID: 880-53358-6**
**Matrix: Solid**
**Date Collected: 01/16/25 12:25**
**Date Received: 01/17/25 08:27**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00404 | U | 0.00404 | | mg/Kg | | | 01/17/25 15:44 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 01/21/25 16:47 | 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 | | 01/17/25 11:29 | 01/21/25 16:47 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U *+ | 49.8 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 16:47 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 16:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *76* | | *70 - 130* | *01/17/25 11:29* | *01/21/25 16:47* | *1* |
| *o-Terphenyl* | *76* | | *70 - 130* | *01/17/25 11:29* | *01/21/25 16:47* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <2.01 | U | 2.01 | | mg/Kg | | | 01/20/25 21:05 | 1 |

## Client Sample ID: TH-4 (1')

**Lab Sample ID: 880-53358-7**
**Matrix: Solid**
**Date Collected: 01/16/25 12:30**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:05 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:05 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:05 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:05 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:05 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 16:05* | *1* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 16:05* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 01/17/25 16:05 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/21/25 17:02 | 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 | <49.9 | U | 49.9 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 17:02 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U *+ | 49.9 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 17:02 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-4 (1')

**Lab Sample ID: 880-53358-7**
**Matrix: Solid**
**Date Collected: 01/16/25 12:30**
**Date Received: 01/17/25 08:27**

### 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) | <49.9 | U | 49.9 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 17:02 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *65* | *S1-* | *70 - 130* | *01/17/25 11:29* | *01/21/25 17:02* | *1* |
| *o-Terphenyl* | *63* | *S1-* | *70 - 130* | *01/17/25 11:29* | *01/21/25 17:02* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.1 | U | 10.1 | | mg/Kg | | | 01/20/25 23:31 | 1 |

## Client Sample ID: TH-4 (4.1')

**Lab Sample ID: 880-53358-8**
**Matrix: Solid**
**Date Collected: 01/16/25 12:45**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:25 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:25 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:25 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:25 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:25 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 16:25* | *1* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 16:25* | *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 | | mg/Kg | | | 01/17/25 16:25 | 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 | | | 01/21/25 17:15 | 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 | <50.0 | U | 50.0 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 17:15 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *+ | 50.0 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 17:15 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 17:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *67* | *S1-* | *70 - 130* | *01/17/25 11:29* | *01/21/25 17:15* | *1* |
| *o-Terphenyl* | *66* | *S1-* | *70 - 130* | *01/17/25 11:29* | *01/21/25 17:15* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <9.98 | U | 9.98 | | mg/Kg | | | 01/20/25 23:53 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-5 (1')

**Lab Sample ID: 880-53358-9**
**Matrix: Solid**
**Date Collected: 01/16/25 12:50**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:46 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:46 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:46 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:46 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:46 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 16:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 16:46* | *1* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 16:46* | *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 | | mg/Kg | | | 01/17/25 16:46 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 01/21/25 17:30 | 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 | | 01/17/25 11:29 | 01/21/25 17:30 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U *+ | 49.8 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 17:30 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 17:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *73* | | *70 - 130* | *01/17/25 11:29* | *01/21/25 17:30* | *1* |
| *o-Terphenyl* | *70* | | *70 - 130* | *01/17/25 11:29* | *01/21/25 17:30* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.1 | U | 10.1 | | mg/Kg | | | 01/21/25 00:01 | 1 |

## Client Sample ID: TH-5 (4.1')

**Lab Sample ID: 880-53358-10**
**Matrix: Solid**
**Date Collected: 01/16/25 13:05**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 17:06 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 17:06 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 17:06 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 17:06 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 17:06 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 17:06 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *91* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 17:06* | *1* |
| *1,4-Difluorobenzene (Surr)* | *95* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 17:06* | *1* |

Eurofins Midland

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-5 (4.1')

**Lab Sample ID: 880-53358-10**
**Matrix: Solid**
**Date Collected: 01/16/25 13:05**
**Date Received: 01/17/25 08:27**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00396 | U | 0.00396 | | mg/Kg | | | 01/17/25 17:06 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 01/21/25 17:44 | 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 | <49.8 | U | 49.8 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 17:44 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U *+ | 49.8 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 17:44 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 17:44 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *63* | *S1-* | *70 - 130* | *01/17/25 11:29* | *01/21/25 17:44* | *1* |
| *o-Terphenyl* | *61* | *S1-* | *70 - 130* | *01/17/25 11:29* | *01/21/25 17:44* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <9.96 | U | 9.96 | | mg/Kg | | | 01/21/25 00:08 | 1 |

## Client Sample ID: TH-6 (1')

**Lab Sample ID: 880-53358-11**
**Matrix: Solid**
**Date Collected: 01/16/25 13:10**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 18:41 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 18:41 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 18:41 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 18:41 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 18:41 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 18:41 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 18:41* | *1* |
| *1,4-Difluorobenzene (Surr)* | *98* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 18:41* | *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 | | mg/Kg | | | 01/17/25 18:41 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.7 | U | 49.7 | | mg/Kg | | | 01/21/25 17:58 | 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 | <49.7 | U | 49.7 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 17:58 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.7 | U *+ | 49.7 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 17:58 | 1 |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-6 (1')

**Lab Sample ID: 880-53358-11**
**Matrix: Solid**
**Date Collected: 01/16/25 13:10**
**Date Received: 01/17/25 08:27**

### 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) | <49.7 | U | 49.7 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 17:58 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *67* | *S1-* | *70 - 130* | *01/17/25 11:29* | *01/21/25 17:58* | *1* |
| *o-Terphenyl* | *65* | *S1-* | *70 - 130* | *01/17/25 11:29* | *01/21/25 17:58* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **121** | | 9.94 | | mg/Kg | | | 01/21/25 00:16 | 1 |

## Client Sample ID: TH-6 (4.1')

**Lab Sample ID: 880-53358-12**
**Matrix: Solid**
**Date Collected: 01/16/25 13:25**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:01 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:01 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:01 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:01 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:01 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:01 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *107* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 19:01* | *1* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 19:01* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00400 | U | 0.00400 | | mg/Kg | | | 01/17/25 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 | | | 01/20/25 12:08 | 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 | <50.0 | U | 50.0 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 12:08 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *- | 50.0 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 12:08 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 12:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *76* | | *70 - 130* | *01/17/25 11:32* | *01/20/25 12:08* | *1* |
| *o-Terphenyl* | *69* | *S1-* | *70 - 130* | *01/17/25 11:32* | *01/20/25 12:08* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **20.9** | | 10.1 | | mg/Kg | | | 01/21/25 00:38 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-7 (1')

**Lab Sample ID: 880-53358-13**
**Matrix: Solid**
**Date Collected: 01/16/25 13:30**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:22 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:22 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:22 | 1 |
| m-Xylene & p-Xylene | <0.00397 | U | 0.00397 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:22 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:22 | 1 |
| Xylenes, Total | <0.00397 | U | 0.00397 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:22 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *87* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 19:22* | *1* |
| *1,4-Difluorobenzene (Surr)* | *97* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 19:22* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00397 | U | 0.00397 | | mg/Kg | | | 01/17/25 19:22 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/20/25 12:55 | 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 | | 01/17/25 11:32 | 01/20/25 12:55 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U *- | 49.9 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 12:55 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 12:55 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *67* | *S1-* | *70 - 130* | *01/17/25 11:32* | *01/20/25 12:55* | *1* |
| *o-Terphenyl* | *62* | *S1-* | *70 - 130* | *01/17/25 11:32* | *01/20/25 12:55* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **27.4** | | 10.1 | | mg/Kg | | | 01/21/25 00:45 | 1 |

## Client Sample ID: TH-7 (4.1')

**Lab Sample ID: 880-53358-14**
**Matrix: Solid**
**Date Collected: 01/16/25 13:45**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:42 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:42 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:42 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:42 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:42 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 19:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *89* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 19:42* | *1* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 19:42* | *1* |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-7 (4.1')

**Lab Sample ID: 880-53358-14**
**Matrix: Solid**
**Date Collected: 01/16/25 13:45**
**Date Received: 01/17/25 08:27**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00404 | U | 0.00404 | | mg/Kg | | | 01/17/25 19:42 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 01/20/25 13:10 | 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 | | 01/17/25 11:32 | 01/20/25 13:10 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U *- | 49.8 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 13:10 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 13:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *72* | | *70 - 130* | *01/17/25 11:32* | *01/20/25 13:10* | *1* |
| *o-Terphenyl* | *66* | *S1-* | *70 - 130* | *01/17/25 11:32* | *01/20/25 13:10* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **16.5** | | 10.1 | | mg/Kg | | | 01/21/25 00:53 | 1 |

## Client Sample ID: TH-8 (1')

**Lab Sample ID: 880-53358-15**
**Matrix: Solid**
**Date Collected: 01/16/25 13:50**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:03 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:03 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:03 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:03 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:03 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 20:03* | *1* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 20:03* | *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 | | mg/Kg | | | 01/17/25 20:03 | 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 | | | 01/20/25 13:27 | 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 | <50.0 | U | 50.0 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 13:27 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *- | 50.0 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 13:27 | 1 |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-8 (1')

**Lab Sample ID: 880-53358-15**
**Matrix: Solid**
**Date Collected: 01/16/25 13:50**
**Date Received: 01/17/25 08:27**

### 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 | | 01/17/25 11:32 | 01/20/25 13:27 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *74* | | *70 - 130* | *01/17/25 11:32* | *01/20/25 13:27* | *1* |
| *o-Terphenyl* | *66* | *S1-* | *70 - 130* | *01/17/25 11:32* | *01/20/25 13:27* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **57.9** | | 9.96 | | mg/Kg | | | 01/21/25 01:00 | 1 |

## Client Sample ID: TH-8 (4.1')

**Lab Sample ID: 880-53358-16**
**Matrix: Solid**
**Date Collected: 01/16/25 14:05**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:23 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:23 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:23 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:23 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:23 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:23 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *99* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 20:23* | *1* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 20:23* | *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 | | mg/Kg | | | 01/17/25 20:23 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.7 | U | 49.7 | | mg/Kg | | | 01/20/25 13:42 | 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 | <49.7 | U | 49.7 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 13:42 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.7 | U *- | 49.7 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 13:42 | 1 |
| Oil Range Organics (Over C28-C36) | <49.7 | U | 49.7 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 13:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *72* | | *70 - 130* | *01/17/25 11:32* | *01/20/25 13:42* | *1* |
| *o-Terphenyl* | *66* | *S1-* | *70 - 130* | *01/17/25 11:32* | *01/20/25 13:42* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **89.4** | | 9.90 | | mg/Kg | | | 01/21/25 01:08 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-9 (1')

**Lab Sample ID: 880-53358-17**
**Matrix: Solid**
**Date Collected: 01/16/25 14:10**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:44 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:44 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:44 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:44 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:44 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 20:44 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 20:44* | *1* |
| *1,4-Difluorobenzene (Surr)* | *96* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 20:44* | *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 | | mg/Kg | | | 01/17/25 20:44 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 01/20/25 13:58 | 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 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 13:58 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U *- | 49.8 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 13:58 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 13:58 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *70* | | *70 - 130* | *01/17/25 11:32* | *01/20/25 13:58* | *1* |
| *o-Terphenyl* | *64* | *S1-* | *70 - 130* | *01/17/25 11:32* | *01/20/25 13:58* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.0 | U F1 | 10.0 | | mg/Kg | | | 01/21/25 01:15 | 1 |

## Client Sample ID: TH-9 (4.1')

**Lab Sample ID: 880-53358-18**
**Matrix: Solid**
**Date Collected: 01/16/25 14:25**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:04 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:04 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:04 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:04 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:04 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *92* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 21:04* | *1* |
| *1,4-Difluorobenzene (Surr)* | *98* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 21:04* | *1* |

Eurofins Midland

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-9 (4.1')

**Lab Sample ID: 880-53358-18**
**Matrix: Solid**
**Date Collected: 01/16/25 14:25**
**Date Received: 01/17/25 08:27**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00396 | U | 0.00396 | | mg/Kg | | | 01/17/25 21:04 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.7 | U | 49.7 | | mg/Kg | | | 01/20/25 14:13 | 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 | <49.7 | U | 49.7 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 14:13 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.7 | U *- | 49.7 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 14:13 | 1 |
| Oil Range Organics (Over C28-C36) | <49.7 | U | 49.7 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 14:13 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *81* | | *70 - 130* | *01/17/25 11:32* | *01/20/25 14:13* | *1* |
| *o-Terphenyl* | *72* | | *70 - 130* | *01/17/25 11:32* | *01/20/25 14:13* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **31.8** | | 9.98 | | mg/Kg | | | 01/21/25 01:37 | 1 |

## Client Sample ID: TH-10 (1')

**Lab Sample ID: 880-53358-19**
**Matrix: Solid**
**Date Collected: 01/16/25 14:30**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:25 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:25 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:25 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:25 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:25 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 21:25* | *1* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 21:25* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 01/17/25 21:25 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 01/20/25 14:29 | 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 | | 01/17/25 11:32 | 01/20/25 14:29 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U *- | 49.8 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 14:29 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-10 (1')

**Lab Sample ID: 880-53358-19**
**Matrix: Solid**
**Date Collected: 01/16/25 14:30**
**Date Received: 01/17/25 08:27**

### 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 | | 01/17/25 11:32 | 01/20/25 14:29 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *66* | *S1-* | *70 - 130* | *01/17/25 11:32* | *01/20/25 14:29* | *1* |
| *o-Terphenyl* | *60* | *S1-* | *70 - 130* | *01/17/25 11:32* | *01/20/25 14:29* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <9.96 | U | 9.96 | | mg/Kg | | | 01/21/25 01:45 | 1 |

## Client Sample ID: TH-10 (4.1')

**Lab Sample ID: 880-53358-20**
**Matrix: Solid**
**Date Collected: 01/16/25 14:45**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:45 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:45 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:45 | 1 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.00403 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:45 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:45 | 1 |
| Xylenes, Total | <0.00403 | U | 0.00403 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 21:45 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *99* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 21:45* | *1* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 21:45* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00403 | U | 0.00403 | | mg/Kg | | | 01/17/25 21:45 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/20/25 14:45 | 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 | <49.9 | U | 49.9 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 14:45 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U *- | 49.9 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 14:45 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 14:45 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *76* | | *70 - 130* | *01/17/25 11:32* | *01/20/25 14:45* | *1* |
| *o-Terphenyl* | *66* | *S1-* | *70 - 130* | *01/17/25 11:32* | *01/20/25 14:45* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.1 | U | 10.1 | | mg/Kg | | | 01/21/25 02:07 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-11 (1')

**Lab Sample ID: 880-53358-21**
**Matrix: Solid**
**Date Collected: 01/16/25 14:50**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 18:41 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 18:41 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 18:41 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 18:41 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 18:41 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 18:41 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *70 - 130* | *01/17/25 11:15* | *01/17/25 18:41* | *1* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* | *01/17/25 11:15* | *01/17/25 18:41* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00404 | U | 0.00404 | | mg/Kg | | | 01/17/25 18:41 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.7 | U | 49.7 | | mg/Kg | | | 01/20/25 15:01 | 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 | <49.7 | U | 49.7 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 15:01 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.7 | U *- | 49.7 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 15:01 | 1 |
| Oil Range Organics (Over C28-C36) | <49.7 | U | 49.7 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 15:01 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *69* | *S1-* | *70 - 130* | *01/17/25 11:32* | *01/20/25 15:01* | *1* |
| *o-Terphenyl* | *63* | *S1-* | *70 - 130* | *01/17/25 11:32* | *01/20/25 15:01* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **10.8** | | 9.94 | | mg/Kg | | | 01/21/25 02:15 | 1 |

## Client Sample ID: TH-11 (4.1')

**Lab Sample ID: 880-53358-22**
**Matrix: Solid**
**Date Collected: 01/16/25 15:05**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:01 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:01 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:01 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:01 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:01 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:01 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *105* | | *70 - 130* | *01/17/25 11:15* | *01/17/25 19:01* | *1* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *01/17/25 11:15* | *01/17/25 19:01* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-11 (4.1')

**Lab Sample ID: 880-53358-22**
**Matrix: Solid**
**Date Collected: 01/16/25 15:05**
**Date Received: 01/17/25 08:27**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 01/17/25 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 | <49.8 | U | 49.8 | | mg/Kg | | | 01/20/25 16:59 | 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 | | 01/17/25 11:32 | 01/20/25 16:59 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U *- | 49.8 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 16:59 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 16:59 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *69* | *S1-* | *70 - 130* | *01/17/25 11:32* | *01/20/25 16:59* | *1* |
| *o-Terphenyl* | *61* | *S1-* | *70 - 130* | *01/17/25 11:32* | *01/20/25 16:59* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 241 | | 10.0 | | mg/Kg | | | 01/21/25 02:22 | 1 |

## Client Sample ID: TH-12 (1')

**Lab Sample ID: 880-53358-23**
**Matrix: Solid**
**Date Collected: 01/16/25 15:10**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:22 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:22 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:22 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:22 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:22 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:22 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* | *01/17/25 11:15* | *01/17/25 19:22* | *1* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* | *01/17/25 11:15* | *01/17/25 19:22* | *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 | | mg/Kg | | | 01/17/25 19:22 | 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 | | | 01/20/25 17:14 | 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 | <50.0 | U | 50.0 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 17:14 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *- | 50.0 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 17:14 | 1 |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-12 (1')

**Lab Sample ID: 880-53358-23**
**Matrix: Solid**
**Date Collected: 01/16/25 15:10**
**Date Received: 01/17/25 08:27**

### 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 | | 01/17/25 11:32 | 01/20/25 17:14 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *75* | | *70 - 130* | *01/17/25 11:32* | *01/20/25 17:14* | *1* |
| *o-Terphenyl* | *70* | | *70 - 130* | *01/17/25 11:32* | *01/20/25 17:14* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.1 | U | 10.1 | | mg/Kg | | | 01/21/25 02:29 | 1 |

## Client Sample ID: TH-12 (4.1')

**Lab Sample ID: 880-53358-24**
**Matrix: Solid**
**Date Collected: 01/16/25 15:25**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:42 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:42 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:42 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:42 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:42 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 19:42 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* | *01/17/25 11:15* | *01/17/25 19:42* | *1* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* | *01/17/25 11:15* | *01/17/25 19:42* | *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 | | mg/Kg | | | 01/17/25 19:42 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 01/20/25 17:30 | 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 | | 01/17/25 11:32 | 01/20/25 17:30 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U *- | 49.8 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 17:30 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 17:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *79* | | *70 - 130* | *01/17/25 11:32* | *01/20/25 17:30* | *1* |
| *o-Terphenyl* | *72* | | *70 - 130* | *01/17/25 11:32* | *01/20/25 17:30* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <9.98 | U | 9.98 | | mg/Kg | | | 01/21/25 02:37 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-13 (1')

**Lab Sample ID: 880-53358-25**
**Matrix: Solid**
**Date Collected: 01/16/25 15:30**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 20:03 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 20:03 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 20:03 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 20:03 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 20:03 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 20:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *70 - 130* | *01/17/25 11:15* | *01/17/25 20:03* | *1* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *01/17/25 11:15* | *01/17/25 20:03* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00396 | U | 0.00396 | | mg/Kg | | | 01/17/25 20:03 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 01/20/25 17:45 | 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 | <49.9 | U | 49.9 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 17:45 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U *- | 49.9 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 17:45 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 17:45 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *79* | | *70 - 130* | *01/17/25 11:32* | *01/20/25 17:45* | *1* |
| *o-Terphenyl* | *72* | | *70 - 130* | *01/17/25 11:32* | *01/20/25 17:45* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.0 | U | 10.0 | | mg/Kg | | | 01/21/25 02:44 | 1 |

## Client Sample ID: TH-13 (4.1')

**Lab Sample ID: 880-53358-26**
**Matrix: Solid**
**Date Collected: 01/16/25 15:45**
**Date Received: 01/17/25 08:27**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 21:37 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 21:37 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 21:37 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 21:37 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 21:37 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 01/17/25 11:15 | 01/17/25 21:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* | *01/17/25 11:15* | *01/17/25 21:37* | *1* |
| *1,4-Difluorobenzene (Surr)* | *102* | | *70 - 130* | *01/17/25 11:15* | *01/17/25 21:37* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-13 (4.1')

**Date Collected: 01/16/25 15:45**
**Date Received: 01/17/25 08:27**

## Lab Sample ID: 880-53358-26

**Matrix: Solid**

### 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 | | mg/Kg | | | 01/17/25 21:37 | 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 | | | 01/20/25 18:01 | 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 | <50.0 | U | 50.0 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 18:01 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *- | 50.0 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 18:01 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 18:01 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *71* | | *70 - 130* | *01/17/25 11:32* | *01/20/25 18:01* | *1* |
| *o-Terphenyl* | *65* | *S1-* | *70 - 130* | *01/17/25 11:32* | *01/20/25 18:01* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <9.94 | U | 9.94 | | mg/Kg | | | 01/21/25 02:52 | 1 |

# Surrogate Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO 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) | | | | | | | | | | |
| 880-53358-1 | TH-1 (1') | 95 | 96 | | | | | | | | | | |
| 880-53358-1 MS | TH-1 (1') | 94 | 99 | | | | | | | | | | |
| 880-53358-1 MSD | TH-1 (1') | 111 | 100 | | | | | | | | | | |
| 880-53358-2 | TH-1 (4.1') | 107 | 97 | | | | | | | | | | |
| 880-53358-3 | TH-2 (1') | 88 | 103 | | | | | | | | | | |
| 880-53358-4 | TH-2 (4.1') | 104 | 99 | | | | | | | | | | |
| 880-53358-5 | TH-3 (1') | 90 | 100 | | | | | | | | | | |
| 880-53358-6 | TH-3 (4.1') | 96 | 96 | | | | | | | | | | |
| 880-53358-7 | TH-4 (1') | 104 | 99 | | | | | | | | | | |
| 880-53358-8 | TH-4 (4.1') | 102 | 99 | | | | | | | | | | |
| 880-53358-9 | TH-5 (1') | 97 | 99 | | | | | | | | | | |
| 880-53358-10 | TH-5 (4.1') | 91 | 95 | | | | | | | | | | |
| 880-53358-11 | TH-6 (1') | 100 | 98 | | | | | | | | | | |
| 880-53358-12 | TH-6 (4.1') | 107 | 100 | | | | | | | | | | |
| 880-53358-13 | TH-7 (1') | 87 | 97 | | | | | | | | | | |
| 880-53358-14 | TH-7 (4.1') | 89 | 102 | | | | | | | | | | |
| 880-53358-15 | TH-8 (1') | 92 | 102 | | | | | | | | | | |
| 880-53358-16 | TH-8 (4.1') | 99 | 100 | | | | | | | | | | |
| 880-53358-17 | TH-9 (1') | 93 | 96 | | | | | | | | | | |
| 880-53358-18 | TH-9 (4.1') | 92 | 98 | | | | | | | | | | |
| 880-53358-19 | TH-10 (1') | 95 | 99 | | | | | | | | | | |
| 880-53358-20 | TH-10 (4.1') | 99 | 102 | | | | | | | | | | |
| 880-53358-21 | TH-11 (1') | 98 | 101 | | | | | | | | | | |
| 880-53358-22 | TH-11 (4.1') | 105 | 100 | | | | | | | | | | |
| 880-53358-23 | TH-12 (1') | 104 | 102 | | | | | | | | | | |
| 880-53358-24 | TH-12 (4.1') | 100 | 99 | | | | | | | | | | |
| 880-53358-25 | TH-13 (1') | 101 | 100 | | | | | | | | | | |
| 880-53358-26 | TH-13 (4.1') | 102 | 102 | | | | | | | | | | |
| LCS 880-100551/1-A | Lab Control Sample | 99 | 122 | | | | | | | | | | |
| LCS 880-100553/1-A | Lab Control Sample | 96 | 99 | | | | | | | | | | |
| LCSD 880-100551/2-A | Lab Control Sample Dup | 102 | 122 | | | | | | | | | | |
| LCSD 880-100553/2-A | Lab Control Sample Dup | 104 | 98 | | | | | | | | | | |
| MB 880-100551/5-A | Method Blank | 97 | 100 | | | | | | | | | | |
| MB 880-100553/5-A | Method Blank | 88 | 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) | | | | | | | | | | |
| 880-53358-1 | TH-1 (1') | 78 | 73 | | | | | | | | | | |
| 880-53358-2 | TH-1 (4.1') | 78 | 73 | | | | | | | | | | |
| 880-53358-3 | TH-2 (1') | 65 S1- | 63 S1- | | | | | | | | | | |
| 880-53358-4 | TH-2 (4.1') | 89 | 83 | | | | | | | | | | |
| 880-53358-5 | TH-3 (1') | 80 | 78 | | | | | | | | | | |

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# Surrogate Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO 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) |
| 880-53358-6 | TH-3 (4.1') | 76 | 76 |
| 880-53358-7 | TH-4 (1') | 65 S1- | 63 S1- |
| 880-53358-8 | TH-4 (4.1') | 67 S1- | 66 S1- |
| 880-53358-9 | TH-5 (1') | 73 | 70 |
| 880-53358-10 | TH-5 (4.1') | 63 S1- | 61 S1- |
| 880-53358-11 | TH-6 (1') | 67 S1- | 65 S1- |
| 880-53358-12 | TH-6 (4.1') | 76 | 69 S1- |
| 880-53358-12 MS | TH-6 (4.1') | 64 S1- | 63 S1- |
| 880-53358-12 MSD | TH-6 (4.1') | 64 S1- | 64 S1- |
| 880-53358-13 | TH-7 (1') | 67 S1- | 62 S1- |
| 880-53358-14 | TH-7 (4.1') | 72 | 66 S1- |
| 880-53358-15 | TH-8 (1') | 74 | 66 S1- |
| 880-53358-16 | TH-8 (4.1') | 72 | 66 S1- |
| 880-53358-17 | TH-9 (1') | 70 | 64 S1- |
| 880-53358-18 | TH-9 (4.1') | 81 | 72 |
| 880-53358-19 | TH-10 (1') | 66 S1- | 60 S1- |
| 880-53358-20 | TH-10 (4.1') | 76 | 66 S1- |
| 880-53358-21 | TH-11 (1') | 69 S1- | 63 S1- |
| 880-53358-22 | TH-11 (4.1') | 69 S1- | 61 S1- |
| 880-53358-23 | TH-12 (1') | 75 | 70 |
| 880-53358-24 | TH-12 (4.1') | 79 | 72 |
| 880-53358-25 | TH-13 (1') | 79 | 72 |
| 880-53358-26 | TH-13 (4.1') | 71 | 65 S1- |
| LCS 880-100556/2-A | Lab Control Sample | 125 | 118 |
| LCS 880-100557/2-A | Lab Control Sample | 77 | 79 |
| LCSD 880-100556/3-A | Lab Control Sample Dup | 155 S1+ | 141 S1+ |
| LCSD 880-100557/3-A | Lab Control Sample Dup | 92 | 79 |
| MB 880-100556/1-A | Method Blank | 84 | 83 |
| MB 880-100557/1-A | Method Blank | 74 | 69 S1- |

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Method: 8021B - Volatile Organic Compounds (GC)

**Lab Sample ID: MB 880-100551/5-A**
**Matrix: Solid**
**Analysis Batch: 100582**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 100551**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 10:55 | 01/17/25 16:37 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 10:55 | 01/17/25 16:37 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 10:55 | 01/17/25 16:37 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 01/17/25 10:55 | 01/17/25 16:37 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 10:55 | 01/17/25 16:37 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 01/17/25 10:55 | 01/17/25 16:37 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *70 - 130* | *01/17/25 10:55* | *01/17/25 16:37* | *1* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *01/17/25 10:55* | *01/17/25 16:37* | *1* |

**Lab Sample ID: LCS 880-100551/1-A**
**Matrix: Solid**
**Analysis Batch: 100582**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 100551**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.1085 | | mg/Kg | | 108 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.09623 | | mg/Kg | | 96 | 70 - 130 | | |
| Ethylbenzene | | | 0.100 | 0.1062 | | mg/Kg | | 106 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.2170 | | mg/Kg | | 109 | 70 - 130 | | |
| o-Xylene | | | 0.100 | 0.1047 | | mg/Kg | | 105 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *99* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *122* | | *70 - 130* |

**Lab Sample ID: LCSD 880-100551/2-A**
**Matrix: Solid**
**Analysis Batch: 100582**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 100551**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.1040 | | mg/Kg | | 104 | 70 - 130 | 4 | 35 |
| Toluene | | | 0.100 | 0.09186 | | mg/Kg | | 92 | 70 - 130 | 5 | 35 |
| Ethylbenzene | | | 0.100 | 0.1007 | | mg/Kg | | 101 | 70 - 130 | 5 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.2065 | | mg/Kg | | 103 | 70 - 130 | 5 | 35 |
| o-Xylene | | | 0.100 | 0.09946 | | mg/Kg | | 99 | 70 - 130 | 5 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *102* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *122* | | *70 - 130* |

**Lab Sample ID: MB 880-100553/5-A**
**Matrix: Solid**
**Analysis Batch: 100488**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 100553**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 13:40 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 13:40 | 1 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: MB 880-100553/5-A**
**Matrix: Solid**
**Analysis Batch: 100488**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 100553**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 13:40 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 13:40 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 13:40 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 01/17/25 11:14 | 01/17/25 13:40 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *88* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 13:40* | *1* |
| *1,4-Difluorobenzene (Surr)* | *93* | | *70 - 130* | *01/17/25 11:14* | *01/17/25 13:40* | *1* |

**Lab Sample ID: LCS 880-100553/1-A**
**Matrix: Solid**
**Analysis Batch: 100488**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 100553**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1051 | | mg/Kg | | 105 | 70 - 130 |
| Toluene | 0.100 | 0.1114 | | mg/Kg | | 111 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.1130 | | mg/Kg | | 113 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2008 | | mg/Kg | | 100 | 70 - 130 |
| o-Xylene | 0.100 | 0.1122 | | mg/Kg | | 112 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* |

**Lab Sample ID: LCSD 880-100553/2-A**
**Matrix: Solid**
**Analysis Batch: 100488**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 100553**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1077 | | mg/Kg | | 108 | 70 - 130 | 2 | 35 |
| Toluene | 0.100 | 0.1154 | | mg/Kg | | 115 | 70 - 130 | 4 | 35 |
| Ethylbenzene | 0.100 | 0.1176 | | mg/Kg | | 118 | 70 - 130 | 4 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2088 | | mg/Kg | | 104 | 70 - 130 | 4 | 35 |
| o-Xylene | 0.100 | 0.1180 | | mg/Kg | | 118 | 70 - 130 | 5 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *98* | | *70 - 130* |

**Lab Sample ID: 880-53358-1 MS**
**Matrix: Solid**
**Analysis Batch: 100488**

**Client Sample ID: TH-1 (1')**
**Prep Type: Total/NA**
**Prep Batch: 100553**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.0996 | 0.1018 | | mg/Kg | | 102 | 70 - 130 |
| Toluene | <0.00199 | U | 0.0996 | 0.1063 | | mg/Kg | | 107 | 70 - 130 |
| Ethylbenzene | <0.00199 | U | 0.0996 | 0.1073 | | mg/Kg | | 108 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.199 | 0.1902 | | mg/Kg | | 95 | 70 - 130 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: 880-53358-1 MS**
**Matrix: Solid**
**Analysis Batch: 100488**

**Client Sample ID: TH-1 (1')**
**Prep Type: Total/NA**
**Prep Batch: 100553**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| o-Xylene | <0.00199 | U | 0.0996 | 0.1071 | | mg/Kg | | 108 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* |

**Lab Sample ID: 880-53358-1 MSD**
**Matrix: Solid**
**Analysis Batch: 100488**

**Client Sample ID: TH-1 (1')**
**Prep Type: Total/NA**
**Prep Batch: 100553**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.101 | 0.1052 | | mg/Kg | | 104 | 70 - 130 | 3 | 35 |
| Toluene | <0.00199 | U | 0.101 | 0.1151 | | mg/Kg | | 114 | 70 - 130 | 8 | 35 |
| Ethylbenzene | <0.00199 | U | 0.101 | 0.1170 | | mg/Kg | | 116 | 70 - 130 | 9 | 35 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.202 | 0.2145 | | mg/Kg | | 106 | 70 - 130 | 12 | 35 |
| o-Xylene | <0.00199 | U | 0.101 | 0.1173 | | mg/Kg | | 116 | 70 - 130 | 9 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *111* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 880-100556/1-A**
**Matrix: Solid**
**Analysis Batch: 100739**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 100556**

| 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 | | 01/17/25 11:29 | 01/21/25 05:17 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 05:17 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/17/25 11:29 | 01/21/25 05:17 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *84* | | *70 - 130* | *01/17/25 11:29* | *01/21/25 05:17* | *1* |
| *o-Terphenyl* | *83* | | *70 - 130* | *01/17/25 11:29* | *01/21/25 05:17* | *1* |

**Lab Sample ID: LCS 880-100556/2-A**
**Matrix: Solid**
**Analysis Batch: 100739**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 100556**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1077 | | mg/Kg | | 108 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1199 | | mg/Kg | | 120 | 70 - 130 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: LCS 880-100556/2-A**
**Matrix: Solid**
**Analysis Batch: 100739**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 100556**

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 125 | | 70 - 130 |
| o-Terphenyl | 118 | | 70 - 130 |

**Lab Sample ID: LCSD 880-100556/3-A**
**Matrix: Solid**
**Analysis Batch: 100739**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 100556**

| 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 | 2 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 1351 | *+ | mg/Kg | | 135 | 70 - 130 | 12 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 155 | S1+ | 70 - 130 |
| o-Terphenyl | 141 | S1+ | 70 - 130 |

**Lab Sample ID: MB 880-100557/1-A**
**Matrix: Solid**
**Analysis Batch: 100650**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 100557**

| 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 | | 01/17/25 11:32 | 01/20/25 09:44 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 09:44 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 01/17/25 11:32 | 01/20/25 09:44 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane | 74 | | 70 - 130 | 01/17/25 11:32 | 01/20/25 09:44 | 1 |
| o-Terphenyl | 69 | S1- | 70 - 130 | 01/17/25 11:32 | 01/20/25 09:44 | 1 |

**Lab Sample ID: LCS 880-100557/2-A**
**Matrix: Solid**
**Analysis Batch: 100650**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 100557**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 727.9 | | mg/Kg | | 73 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 706.3 | | mg/Kg | | 71 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 77 | | 70 - 130 |
| o-Terphenyl | 79 | | 70 - 130 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: LCSD 880-100557/3-A**
**Matrix: Solid**
**Analysis Batch: 100650**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 100557**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 737.1 | | mg/Kg | | 74 | 70 - 130 | 1 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 677.4 | *- | mg/Kg | | 68 | 70 - 130 | 4 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *92* | | *70 - 130* |
| *o-Terphenyl* | *79* | | *70 - 130* |

**Lab Sample ID: 880-53358-12 MS**
**Matrix: Solid**
**Analysis Batch: 100650**

**Client Sample ID: TH-6 (4.1')**
**Prep Type: Total/NA**
**Prep Batch: 100557**

| 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 | 777.4 | | mg/Kg | | 78 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *- | 998 | 824.5 | | mg/Kg | | 83 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *64* | *S1-* | *70 - 130* |
| *o-Terphenyl* | *63* | *S1-* | *70 - 130* |

**Lab Sample ID: 880-53358-12 MSD**
**Matrix: Solid**
**Analysis Batch: 100650**

**Client Sample ID: TH-6 (4.1')**
**Prep Type: Total/NA**
**Prep Batch: 100557**

| 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 | 728.5 | | mg/Kg | | 73 | 70 - 130 | 6 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *- | 998 | 777.9 | | mg/Kg | | 78 | 70 - 130 | 6 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *64* | *S1-* | *70 - 130* |
| *o-Terphenyl* | *64* | *S1-* | *70 - 130* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-100602/1-A**
**Matrix: Solid**
**Analysis Batch: 100629**

**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 | | mg/Kg | | | 01/20/25 23:09 | 1 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: LCS 880-100602/2-A**
**Matrix: Solid**
**Analysis Batch: 100629**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 262.9 | | mg/Kg | | 105 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-100602/3-A**
**Matrix: Solid**
**Analysis Batch: 100629**

**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 | 264.2 | | mg/Kg | | 106 | 90 - 110 | 1 | 20 |

**Lab Sample ID: 880-53358-7 MS**
**Matrix: Solid**
**Analysis Batch: 100629**

**Client Sample ID: TH-4 (1')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.1 | U | 252 | 277.1 | | mg/Kg | | 108 | 90 - 110 | | |

**Lab Sample ID: 880-53358-7 MSD**
**Matrix: Solid**
**Analysis Batch: 100629**

**Client Sample ID: TH-4 (1')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.1 | U | 252 | 281.4 | | mg/Kg | | 110 | 90 - 110 | 2 | 20 |

**Lab Sample ID: 880-53358-17 MS**
**Matrix: Solid**
**Analysis Batch: 100629**

**Client Sample ID: TH-9 (1')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.0 | U F1 | 251 | 283.9 | F1 | mg/Kg | | 112 | 90 - 110 | | |

**Lab Sample ID: 880-53358-17 MSD**
**Matrix: Solid**
**Analysis Batch: 100629**

**Client Sample ID: TH-9 (1')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.0 | U F1 | 251 | 284.5 | F1 | mg/Kg | | 112 | 90 - 110 | 0 | 20 |

**Lab Sample ID: MB 880-100691/1-A**
**Matrix: Solid**
**Analysis Batch: 100693**

**Client Sample ID: Method Blank**
**Prep Type: Soluble**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <2.00 | U | 2.00 | | mg/Kg | | | 01/20/25 16:49 | 1 |

**Lab Sample ID: LCS 880-100691/2-A**
**Matrix: Solid**
**Analysis Batch: 100693**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 50.0 | 48.01 | | mg/Kg | | 96 | 90 - 110 | | |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: LCSD 880-100691/3-A**
**Matrix: Solid**
**Analysis Batch: 100693**

**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 | | | 50.0 | 48.16 | | mg/Kg | | 96 | 90 - 110 | 0 | 20 |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## GC VOA

### Analysis Batch: 100488

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-1 | TH-1 (1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-2 | TH-1 (4.1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-3 | TH-2 (1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-4 | TH-2 (4.1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-5 | TH-3 (1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-6 | TH-3 (4.1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-7 | TH-4 (1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-8 | TH-4 (4.1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-9 | TH-5 (1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-10 | TH-5 (4.1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-11 | TH-6 (1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-12 | TH-6 (4.1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-13 | TH-7 (1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-14 | TH-7 (4.1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-15 | TH-8 (1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-16 | TH-8 (4.1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-17 | TH-9 (1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-18 | TH-9 (4.1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-19 | TH-10 (1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-20 | TH-10 (4.1') | Total/NA | Solid | 8021B | 100553 |
| MB 880-100553/5-A | Method Blank | Total/NA | Solid | 8021B | 100553 |
| LCS 880-100553/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 100553 |
| LCSD 880-100553/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 100553 |
| 880-53358-1 MS | TH-1 (1') | Total/NA | Solid | 8021B | 100553 |
| 880-53358-1 MSD | TH-1 (1') | Total/NA | Solid | 8021B | 100553 |

### Prep Batch: 100551

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-21 | TH-11 (1') | Total/NA | Solid | 5035 | |
| 880-53358-22 | TH-11 (4.1') | Total/NA | Solid | 5035 | |
| 880-53358-23 | TH-12 (1') | Total/NA | Solid | 5035 | |
| 880-53358-24 | TH-12 (4.1') | Total/NA | Solid | 5035 | |
| 880-53358-25 | TH-13 (1') | Total/NA | Solid | 5035 | |
| 880-53358-26 | TH-13 (4.1') | Total/NA | Solid | 5035 | |
| MB 880-100551/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-100551/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-100551/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

### Prep Batch: 100553

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-1 | TH-1 (1') | Total/NA | Solid | 5035 | |
| 880-53358-2 | TH-1 (4.1') | Total/NA | Solid | 5035 | |
| 880-53358-3 | TH-2 (1') | Total/NA | Solid | 5035 | |
| 880-53358-4 | TH-2 (4.1') | Total/NA | Solid | 5035 | |
| 880-53358-5 | TH-3 (1') | Total/NA | Solid | 5035 | |
| 880-53358-6 | TH-3 (4.1') | Total/NA | Solid | 5035 | |
| 880-53358-7 | TH-4 (1') | Total/NA | Solid | 5035 | |
| 880-53358-8 | TH-4 (4.1') | Total/NA | Solid | 5035 | |
| 880-53358-9 | TH-5 (1') | Total/NA | Solid | 5035 | |
| 880-53358-10 | TH-5 (4.1') | Total/NA | Solid | 5035 | |
| 880-53358-11 | TH-6 (1') | Total/NA | Solid | 5035 | |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## GC VOA (Continued)

### Prep Batch: 100553 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-12 | TH-6 (4.1') | Total/NA | Solid | 5035 | |
| 880-53358-13 | TH-7 (1') | Total/NA | Solid | 5035 | |
| 880-53358-14 | TH-7 (4.1') | Total/NA | Solid | 5035 | |
| 880-53358-15 | TH-8 (1') | Total/NA | Solid | 5035 | |
| 880-53358-16 | TH-8 (4.1') | Total/NA | Solid | 5035 | |
| 880-53358-17 | TH-9 (1') | Total/NA | Solid | 5035 | |
| 880-53358-18 | TH-9 (4.1') | Total/NA | Solid | 5035 | |
| 880-53358-19 | TH-10 (1') | Total/NA | Solid | 5035 | |
| 880-53358-20 | TH-10 (4.1') | Total/NA | Solid | 5035 | |
| MB 880-100553/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-100553/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-100553/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-53358-1 MS | TH-1 (1') | Total/NA | Solid | 5035 | |
| 880-53358-1 MSD | TH-1 (1') | Total/NA | Solid | 5035 | |

### Analysis Batch: 100582

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-21 | TH-11 (1') | Total/NA | Solid | 8021B | 100551 |
| 880-53358-22 | TH-11 (4.1') | Total/NA | Solid | 8021B | 100551 |
| 880-53358-23 | TH-12 (1') | Total/NA | Solid | 8021B | 100551 |
| 880-53358-24 | TH-12 (4.1') | Total/NA | Solid | 8021B | 100551 |
| 880-53358-25 | TH-13 (1') | Total/NA | Solid | 8021B | 100551 |
| 880-53358-26 | TH-13 (4.1') | Total/NA | Solid | 8021B | 100551 |
| MB 880-100551/5-A | Method Blank | Total/NA | Solid | 8021B | 100551 |
| LCS 880-100551/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 100551 |
| LCSD 880-100551/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 100551 |

### Analysis Batch: 100675

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-1 | TH-1 (1') | Total/NA | Solid | Total BTEX | |
| 880-53358-2 | TH-1 (4.1') | Total/NA | Solid | Total BTEX | |
| 880-53358-3 | TH-2 (1') | Total/NA | Solid | Total BTEX | |
| 880-53358-4 | TH-2 (4.1') | Total/NA | Solid | Total BTEX | |
| 880-53358-5 | TH-3 (1') | Total/NA | Solid | Total BTEX | |
| 880-53358-6 | TH-3 (4.1') | Total/NA | Solid | Total BTEX | |
| 880-53358-7 | TH-4 (1') | Total/NA | Solid | Total BTEX | |
| 880-53358-8 | TH-4 (4.1') | Total/NA | Solid | Total BTEX | |
| 880-53358-9 | TH-5 (1') | Total/NA | Solid | Total BTEX | |
| 880-53358-10 | TH-5 (4.1') | Total/NA | Solid | Total BTEX | |
| 880-53358-11 | TH-6 (1') | Total/NA | Solid | Total BTEX | |
| 880-53358-12 | TH-6 (4.1') | Total/NA | Solid | Total BTEX | |
| 880-53358-13 | TH-7 (1') | Total/NA | Solid | Total BTEX | |
| 880-53358-14 | TH-7 (4.1') | Total/NA | Solid | Total BTEX | |
| 880-53358-15 | TH-8 (1') | Total/NA | Solid | Total BTEX | |
| 880-53358-16 | TH-8 (4.1') | Total/NA | Solid | Total BTEX | |
| 880-53358-17 | TH-9 (1') | Total/NA | Solid | Total BTEX | |
| 880-53358-18 | TH-9 (4.1') | Total/NA | Solid | Total BTEX | |
| 880-53358-19 | TH-10 (1') | Total/NA | Solid | Total BTEX | |
| 880-53358-20 | TH-10 (4.1') | Total/NA | Solid | Total BTEX | |
| 880-53358-21 | TH-11 (1') | Total/NA | Solid | Total BTEX | |
| 880-53358-22 | TH-11 (4.1') | Total/NA | Solid | Total BTEX | |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## GC VOA (Continued)

### Analysis Batch: 100675 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-23 | TH-12 (1') | Total/NA | Solid | Total BTEX | |
| 880-53358-24 | TH-12 (4.1') | Total/NA | Solid | Total BTEX | |
| 880-53358-25 | TH-13 (1') | Total/NA | Solid | Total BTEX | |
| 880-53358-26 | TH-13 (4.1') | Total/NA | Solid | Total BTEX | |

## GC Semi VOA

### Prep Batch: 100556

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-1 | TH-1 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-2 | TH-1 (4.1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-3 | TH-2 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-4 | TH-2 (4.1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-5 | TH-3 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-6 | TH-3 (4.1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-7 | TH-4 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-8 | TH-4 (4.1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-9 | TH-5 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-10 | TH-5 (4.1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-11 | TH-6 (1') | Total/NA | Solid | 8015NM Prep | |
| MB 880-100556/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-100556/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-100556/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |

### Prep Batch: 100557

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-12 | TH-6 (4.1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-13 | TH-7 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-14 | TH-7 (4.1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-15 | TH-8 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-16 | TH-8 (4.1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-17 | TH-9 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-18 | TH-9 (4.1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-19 | TH-10 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-20 | TH-10 (4.1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-21 | TH-11 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-22 | TH-11 (4.1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-23 | TH-12 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-24 | TH-12 (4.1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-25 | TH-13 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-26 | TH-13 (4.1') | Total/NA | Solid | 8015NM Prep | |
| MB 880-100557/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-100557/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-100557/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-53358-12 MS | TH-6 (4.1') | Total/NA | Solid | 8015NM Prep | |
| 880-53358-12 MSD | TH-6 (4.1') | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 100650

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-12 | TH-6 (4.1') | Total/NA | Solid | 8015B NM | 100557 |
| 880-53358-13 | TH-7 (1') | Total/NA | Solid | 8015B NM | 100557 |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## GC Semi VOA (Continued)

### Analysis Batch: 100650 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-14 | TH-7 (4.1') | Total/NA | Solid | 8015B NM | 100557 |
| 880-53358-15 | TH-8 (1') | Total/NA | Solid | 8015B NM | 100557 |
| 880-53358-16 | TH-8 (4.1') | Total/NA | Solid | 8015B NM | 100557 |
| 880-53358-17 | TH-9 (1') | Total/NA | Solid | 8015B NM | 100557 |
| 880-53358-18 | TH-9 (4.1') | Total/NA | Solid | 8015B NM | 100557 |
| 880-53358-19 | TH-10 (1') | Total/NA | Solid | 8015B NM | 100557 |
| 880-53358-20 | TH-10 (4.1') | Total/NA | Solid | 8015B NM | 100557 |
| 880-53358-21 | TH-11 (1') | Total/NA | Solid | 8015B NM | 100557 |
| 880-53358-22 | TH-11 (4.1') | Total/NA | Solid | 8015B NM | 100557 |
| 880-53358-23 | TH-12 (1') | Total/NA | Solid | 8015B NM | 100557 |
| 880-53358-24 | TH-12 (4.1') | Total/NA | Solid | 8015B NM | 100557 |
| 880-53358-25 | TH-13 (1') | Total/NA | Solid | 8015B NM | 100557 |
| 880-53358-26 | TH-13 (4.1') | Total/NA | Solid | 8015B NM | 100557 |
| MB 880-100557/1-A | Method Blank | Total/NA | Solid | 8015B NM | 100557 |
| LCS 880-100557/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 100557 |
| LCSD 880-100557/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 100557 |
| 880-53358-12 MS | TH-6 (4.1') | Total/NA | Solid | 8015B NM | 100557 |
| 880-53358-12 MSD | TH-6 (4.1') | Total/NA | Solid | 8015B NM | 100557 |

### Analysis Batch: 100739

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-1 | TH-1 (1') | Total/NA | Solid | 8015B NM | 100556 |
| 880-53358-2 | TH-1 (4.1') | Total/NA | Solid | 8015B NM | 100556 |
| 880-53358-3 | TH-2 (1') | Total/NA | Solid | 8015B NM | 100556 |
| 880-53358-4 | TH-2 (4.1') | Total/NA | Solid | 8015B NM | 100556 |
| 880-53358-5 | TH-3 (1') | Total/NA | Solid | 8015B NM | 100556 |
| 880-53358-6 | TH-3 (4.1') | Total/NA | Solid | 8015B NM | 100556 |
| 880-53358-7 | TH-4 (1') | Total/NA | Solid | 8015B NM | 100556 |
| 880-53358-8 | TH-4 (4.1') | Total/NA | Solid | 8015B NM | 100556 |
| 880-53358-9 | TH-5 (1') | Total/NA | Solid | 8015B NM | 100556 |
| 880-53358-10 | TH-5 (4.1') | Total/NA | Solid | 8015B NM | 100556 |
| 880-53358-11 | TH-6 (1') | Total/NA | Solid | 8015B NM | 100556 |
| MB 880-100556/1-A | Method Blank | Total/NA | Solid | 8015B NM | 100556 |
| LCS 880-100556/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 100556 |
| LCSD 880-100556/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 100556 |

### Analysis Batch: 100764

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-1 | TH-1 (1') | Total/NA | Solid | 8015 NM | |
| 880-53358-2 | TH-1 (4.1') | Total/NA | Solid | 8015 NM | |
| 880-53358-3 | TH-2 (1') | Total/NA | Solid | 8015 NM | |
| 880-53358-4 | TH-2 (4.1') | Total/NA | Solid | 8015 NM | |
| 880-53358-5 | TH-3 (1') | Total/NA | Solid | 8015 NM | |
| 880-53358-6 | TH-3 (4.1') | Total/NA | Solid | 8015 NM | |
| 880-53358-7 | TH-4 (1') | Total/NA | Solid | 8015 NM | |
| 880-53358-8 | TH-4 (4.1') | Total/NA | Solid | 8015 NM | |
| 880-53358-9 | TH-5 (1') | Total/NA | Solid | 8015 NM | |
| 880-53358-10 | TH-5 (4.1') | Total/NA | Solid | 8015 NM | |
| 880-53358-11 | TH-6 (1') | Total/NA | Solid | 8015 NM | |
| 880-53358-12 | TH-6 (4.1') | Total/NA | Solid | 8015 NM | |
| 880-53358-13 | TH-7 (1') | Total/NA | Solid | 8015 NM | |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## GC Semi VOA (Continued)

### Analysis Batch: 100764 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-14 | TH-7 (4.1') | Total/NA | Solid | 8015 NM | |
| 880-53358-15 | TH-8 (1') | Total/NA | Solid | 8015 NM | |
| 880-53358-16 | TH-8 (4.1') | Total/NA | Solid | 8015 NM | |
| 880-53358-17 | TH-9 (1') | Total/NA | Solid | 8015 NM | |
| 880-53358-18 | TH-9 (4.1') | Total/NA | Solid | 8015 NM | |
| 880-53358-19 | TH-10 (1') | Total/NA | Solid | 8015 NM | |
| 880-53358-20 | TH-10 (4.1') | Total/NA | Solid | 8015 NM | |
| 880-53358-21 | TH-11 (1') | Total/NA | Solid | 8015 NM | |
| 880-53358-22 | TH-11 (4.1') | Total/NA | Solid | 8015 NM | |
| 880-53358-23 | TH-12 (1') | Total/NA | Solid | 8015 NM | |
| 880-53358-24 | TH-12 (4.1') | Total/NA | Solid | 8015 NM | |
| 880-53358-25 | TH-13 (1') | Total/NA | Solid | 8015 NM | |
| 880-53358-26 | TH-13 (4.1') | Total/NA | Solid | 8015 NM | |

## HPLC/IC

### Leach Batch: 100602

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-7 | TH-4 (1') | Soluble | Solid | DI Leach | |
| 880-53358-8 | TH-4 (4.1') | Soluble | Solid | DI Leach | |
| 880-53358-9 | TH-5 (1') | Soluble | Solid | DI Leach | |
| 880-53358-10 | TH-5 (4.1') | Soluble | Solid | DI Leach | |
| 880-53358-11 | TH-6 (1') | Soluble | Solid | DI Leach | |
| 880-53358-12 | TH-6 (4.1') | Soluble | Solid | DI Leach | |
| 880-53358-13 | TH-7 (1') | Soluble | Solid | DI Leach | |
| 880-53358-14 | TH-7 (4.1') | Soluble | Solid | DI Leach | |
| 880-53358-15 | TH-8 (1') | Soluble | Solid | DI Leach | |
| 880-53358-16 | TH-8 (4.1') | Soluble | Solid | DI Leach | |
| 880-53358-17 | TH-9 (1') | Soluble | Solid | DI Leach | |
| 880-53358-18 | TH-9 (4.1') | Soluble | Solid | DI Leach | |
| 880-53358-19 | TH-10 (1') | Soluble | Solid | DI Leach | |
| 880-53358-20 | TH-10 (4.1') | Soluble | Solid | DI Leach | |
| 880-53358-21 | TH-11 (1') | Soluble | Solid | DI Leach | |
| 880-53358-22 | TH-11 (4.1') | Soluble | Solid | DI Leach | |
| 880-53358-23 | TH-12 (1') | Soluble | Solid | DI Leach | |
| 880-53358-24 | TH-12 (4.1') | Soluble | Solid | DI Leach | |
| 880-53358-25 | TH-13 (1') | Soluble | Solid | DI Leach | |
| 880-53358-26 | TH-13 (4.1') | Soluble | Solid | DI Leach | |
| MB 880-100602/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-100602/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-100602/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-53358-7 MS | TH-4 (1') | Soluble | Solid | DI Leach | |
| 880-53358-7 MSD | TH-4 (1') | Soluble | Solid | DI Leach | |
| 880-53358-17 MS | TH-9 (1') | Soluble | Solid | DI Leach | |
| 880-53358-17 MSD | TH-9 (1') | Soluble | Solid | DI Leach | |

### Analysis Batch: 100629

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-7 | TH-4 (1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-8 | TH-4 (4.1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-9 | TH-5 (1') | Soluble | Solid | 300.0 | 100602 |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## HPLC/IC (Continued)

### Analysis Batch: 100629 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-10 | TH-5 (4.1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-11 | TH-6 (1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-12 | TH-6 (4.1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-13 | TH-7 (1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-14 | TH-7 (4.1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-15 | TH-8 (1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-16 | TH-8 (4.1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-17 | TH-9 (1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-18 | TH-9 (4.1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-19 | TH-10 (1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-20 | TH-10 (4.1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-21 | TH-11 (1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-22 | TH-11 (4.1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-23 | TH-12 (1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-24 | TH-12 (4.1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-25 | TH-13 (1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-26 | TH-13 (4.1') | Soluble | Solid | 300.0 | 100602 |
| MB 880-100602/1-A | Method Blank | Soluble | Solid | 300.0 | 100602 |
| LCS 880-100602/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 100602 |
| LCSD 880-100602/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 100602 |
| 880-53358-7 MS | TH-4 (1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-7 MSD | TH-4 (1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-17 MS | TH-9 (1') | Soluble | Solid | 300.0 | 100602 |
| 880-53358-17 MSD | TH-9 (1') | Soluble | Solid | 300.0 | 100602 |

### Leach Batch: 100691

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-1 | TH-1 (1') | Soluble | Solid | DI Leach | |
| 880-53358-2 | TH-1 (4.1') | Soluble | Solid | DI Leach | |
| 880-53358-3 | TH-2 (1') | Soluble | Solid | DI Leach | |
| 880-53358-4 | TH-2 (4.1') | Soluble | Solid | DI Leach | |
| 880-53358-5 | TH-3 (1') | Soluble | Solid | DI Leach | |
| 880-53358-6 | TH-3 (4.1') | Soluble | Solid | DI Leach | |
| MB 880-100691/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-100691/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-100691/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

### Analysis Batch: 100693

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-53358-1 | TH-1 (1') | Soluble | Solid | 300.0 | 100691 |
| 880-53358-2 | TH-1 (4.1') | Soluble | Solid | 300.0 | 100691 |
| 880-53358-3 | TH-2 (1') | Soluble | Solid | 300.0 | 100691 |
| 880-53358-4 | TH-2 (4.1') | Soluble | Solid | 300.0 | 100691 |
| 880-53358-5 | TH-3 (1') | Soluble | Solid | 300.0 | 100691 |
| 880-53358-6 | TH-3 (4.1') | Soluble | Solid | 300.0 | 100691 |
| MB 880-100691/1-A | Method Blank | Soluble | Solid | 300.0 | 100691 |
| LCS 880-100691/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 100691 |
| LCSD 880-100691/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 100691 |

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-1 (1')

**Lab Sample ID: 880-53358-1**

**Date Collected: 01/16/25 11:30**
**Matrix: Solid**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 14:02 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 14:02 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/21/25 15:22 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 100556 | 01/17/25 11:29 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100739 | 01/21/25 15:22 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 10 mL | 100691 | 01/20/25 13:37 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100693 | 01/20/25 20:25 | CH | EET MID |

## Client Sample ID: TH-1 (4.1')

**Lab Sample ID: 880-53358-2**

**Date Collected: 01/16/25 11:45**
**Matrix: Solid**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 14:22 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 14:22 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/21/25 15:51 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.06 g | 10 mL | 100556 | 01/17/25 11:29 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100739 | 01/21/25 15:51 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 10 mL | 100691 | 01/20/25 13:37 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100693 | 01/20/25 20:31 | CH | EET MID |

## Client Sample ID: TH-2 (1')

**Lab Sample ID: 880-53358-3**

**Date Collected: 01/16/25 11:50**
**Matrix: Solid**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 14:43 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 14:43 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/21/25 16:05 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 100556 | 01/17/25 11:29 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100739 | 01/21/25 16:05 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 10 mL | 100691 | 01/20/25 13:37 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100693 | 01/20/25 20:37 | CH | EET MID |

## Client Sample ID: TH-2 (4.1')

**Lab Sample ID: 880-53358-4**

**Date Collected: 01/16/25 12:05**
**Matrix: Solid**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 15:03 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 15:03 | SM | EET MID |

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# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-2 (4.1')

**Lab Sample ID: 880-53358-4**
**Matrix: Solid**
**Date Collected: 01/16/25 12:05**
**Date Received: 01/17/25 08:27**

| 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 | | | 100764 | 01/21/25 16:19 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 100556 | 01/17/25 11:29 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100739 | 01/21/25 16:19 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 10 mL | 100691 | 01/20/25 13:37 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100693 | 01/20/25 20:54 | CH | EET MID |

## Client Sample ID: TH-3 (1')

**Lab Sample ID: 880-53358-5**
**Matrix: Solid**
**Date Collected: 01/16/25 12:10**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 15:24 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 15:24 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/21/25 16:33 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 100556 | 01/17/25 11:29 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100739 | 01/21/25 16:33 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 10 mL | 100691 | 01/20/25 13:37 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100693 | 01/20/25 20:59 | CH | EET MID |

## Client Sample ID: TH-3 (4.1')

**Lab Sample ID: 880-53358-6**
**Matrix: Solid**
**Date Collected: 01/16/25 12:25**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 15:44 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 15:44 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/21/25 16:47 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 100556 | 01/17/25 11:29 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100739 | 01/21/25 16:47 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 10 mL | 100691 | 01/20/25 13:37 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100693 | 01/20/25 21:05 | CH | EET MID |

## Client Sample ID: TH-4 (1')

**Lab Sample ID: 880-53358-7**
**Matrix: Solid**
**Date Collected: 01/16/25 12:30**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 16:05 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 16:05 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/21/25 17:02 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 100556 | 01/17/25 11:29 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100739 | 01/21/25 17:02 | TKC | EET MID |

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# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-4 (1')

**Lab Sample ID: 880-53358-7**
**Matrix: Solid**
**Date Collected: 01/16/25 12:30**
**Date Received: 01/17/25 08:27**

| 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 | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/20/25 23:31 | CH | EET MID |

## Client Sample ID: TH-4 (4.1')

**Lab Sample ID: 880-53358-8**
**Matrix: Solid**
**Date Collected: 01/16/25 12:45**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 16:25 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 16:25 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/21/25 17:15 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 100556 | 01/17/25 11:29 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100739 | 01/21/25 17:15 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/20/25 23:53 | CH | EET MID |

## Client Sample ID: TH-5 (1')

**Lab Sample ID: 880-53358-9**
**Matrix: Solid**
**Date Collected: 01/16/25 12:50**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 16:46 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 16:46 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/21/25 17:30 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10 mL | 100556 | 01/17/25 11:29 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100739 | 01/21/25 17:30 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 00:01 | CH | EET MID |

## Client Sample ID: TH-5 (4.1')

**Lab Sample ID: 880-53358-10**
**Matrix: Solid**
**Date Collected: 01/16/25 13:05**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 17:06 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 17:06 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/21/25 17:44 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 100556 | 01/17/25 11:29 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100739 | 01/21/25 17:44 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 00:08 | CH | EET MID |

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# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-6 (1')

**Lab Sample ID: 880-53358-11**
**Matrix: Solid**
**Date Collected: 01/16/25 13:10**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 18:41 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 18:41 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/21/25 17:58 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.06 g | 10 mL | 100556 | 01/17/25 11:29 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100739 | 01/21/25 17:58 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 00:16 | CH | EET MID |

## Client Sample ID: TH-6 (4.1')

**Lab Sample ID: 880-53358-12**
**Matrix: Solid**
**Date Collected: 01/16/25 13:25**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 19:01 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 19:01 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/20/25 12:08 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 100557 | 01/17/25 11:32 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100650 | 01/20/25 12:08 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 00:38 | CH | EET MID |

## Client Sample ID: TH-7 (1')

**Lab Sample ID: 880-53358-13**
**Matrix: Solid**
**Date Collected: 01/16/25 13:30**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 19:22 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 19:22 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/20/25 12:55 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 100557 | 01/17/25 11:32 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100650 | 01/20/25 12:55 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 00:45 | CH | EET MID |

## Client Sample ID: TH-7 (4.1')

**Lab Sample ID: 880-53358-14**
**Matrix: Solid**
**Date Collected: 01/16/25 13:45**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 19:42 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 19:42 | SM | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-7 (4.1')

**Lab Sample ID: 880-53358-14**
**Matrix: Solid**
**Date Collected: 01/16/25 13:45**
**Date Received: 01/17/25 08:27**

| 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 | | | 100764 | 01/20/25 13:10 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10 mL | 100557 | 01/17/25 11:32 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100650 | 01/20/25 13:10 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 00:53 | CH | EET MID |

## Client Sample ID: TH-8 (1')

**Lab Sample ID: 880-53358-15**
**Matrix: Solid**
**Date Collected: 01/16/25 13:50**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 20:03 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 20:03 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/20/25 13:27 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 100557 | 01/17/25 11:32 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100650 | 01/20/25 13:27 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 01:00 | CH | EET MID |

## Client Sample ID: TH-8 (4.1')

**Lab Sample ID: 880-53358-16**
**Matrix: Solid**
**Date Collected: 01/16/25 14:05**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 20:23 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 20:23 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/20/25 13:42 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.06 g | 10 mL | 100557 | 01/17/25 11:32 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100650 | 01/20/25 13:42 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 01:08 | CH | EET MID |

## Client Sample ID: TH-9 (1')

**Lab Sample ID: 880-53358-17**
**Matrix: Solid**
**Date Collected: 01/16/25 14:10**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 20:44 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 20:44 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/20/25 13:58 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 100557 | 01/17/25 11:32 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100650 | 01/20/25 13:58 | TKC | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-9 (1')

**Lab Sample ID: 880-53358-17**
**Matrix: Solid**
**Date Collected: 01/16/25 14:10**
**Date Received: 01/17/25 08:27**

| 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 | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 01:15 | CH | EET MID |

## Client Sample ID: TH-9 (4.1')

**Lab Sample ID: 880-53358-18**
**Matrix: Solid**
**Date Collected: 01/16/25 14:25**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 21:04 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 21:04 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/20/25 14:13 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.07 g | 10 mL | 100557 | 01/17/25 11:32 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100650 | 01/20/25 14:13 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 01:37 | CH | EET MID |

## Client Sample ID: TH-10 (1')

**Lab Sample ID: 880-53358-19**
**Matrix: Solid**
**Date Collected: 01/16/25 14:30**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 21:25 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 21:25 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/20/25 14:29 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 100557 | 01/17/25 11:32 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100650 | 01/20/25 14:29 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 01:45 | CH | EET MID |

## Client Sample ID: TH-10 (4.1')

**Lab Sample ID: 880-53358-20**
**Matrix: Solid**
**Date Collected: 01/16/25 14:45**
**Date Received: 01/17/25 08:27**

| 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 | 100553 | 01/17/25 11:14 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100488 | 01/17/25 21:45 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 21:45 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/20/25 14:45 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 100557 | 01/17/25 11:32 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100650 | 01/20/25 14:45 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 02:07 | CH | EET MID |

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-11 (1')

**Lab Sample ID: 880-53358-21**
**Matrix: Solid**
**Date Collected: 01/16/25 14:50**
**Date Received: 01/17/25 08:27**

| 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 | 100551 | 01/17/25 11:15 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100582 | 01/17/25 18:41 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 18:41 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/20/25 15:01 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.06 g | 10 mL | 100557 | 01/17/25 11:32 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100650 | 01/20/25 15:01 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 02:15 | CH | EET MID |

## Client Sample ID: TH-11 (4.1')

**Lab Sample ID: 880-53358-22**
**Matrix: Solid**
**Date Collected: 01/16/25 15:05**
**Date Received: 01/17/25 08:27**

| 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 | 100551 | 01/17/25 11:15 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100582 | 01/17/25 19:01 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 19:01 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/20/25 16:59 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10 mL | 100557 | 01/17/25 11:32 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100650 | 01/20/25 16:59 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 02:22 | CH | EET MID |

## Client Sample ID: TH-12 (1')

**Lab Sample ID: 880-53358-23**
**Matrix: Solid**
**Date Collected: 01/16/25 15:10**
**Date Received: 01/17/25 08:27**

| 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 | 100551 | 01/17/25 11:15 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100582 | 01/17/25 19:22 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 19:22 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/20/25 17:14 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 100557 | 01/17/25 11:32 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100650 | 01/20/25 17:14 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 02:29 | CH | EET MID |

## Client Sample ID: TH-12 (4.1')

**Lab Sample ID: 880-53358-24**
**Matrix: Solid**
**Date Collected: 01/16/25 15:25**
**Date Received: 01/17/25 08:27**

| 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 | 100551 | 01/17/25 11:15 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100582 | 01/17/25 19:42 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 19:42 | SM | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

## Client Sample ID: TH-12 (4.1')

**Lab Sample ID: 880-53358-24**
**Matrix: Solid**
**Date Collected: 01/16/25 15:25**
**Date Received: 01/17/25 08:27**

| 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 | | | 100764 | 01/20/25 17:30 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 100557 | 01/17/25 11:32 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100650 | 01/20/25 17:30 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 02:37 | CH | EET MID |

## Client Sample ID: TH-13 (1')

**Lab Sample ID: 880-53358-25**
**Matrix: Solid**
**Date Collected: 01/16/25 15:30**
**Date Received: 01/17/25 08:27**

| 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 | 100551 | 01/17/25 11:15 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100582 | 01/17/25 20:03 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 20:03 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/20/25 17:45 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 100557 | 01/17/25 11:32 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100650 | 01/20/25 17:45 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.00 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 02:44 | CH | EET MID |

## Client Sample ID: TH-13 (4.1')

**Lab Sample ID: 880-53358-26**
**Matrix: Solid**
**Date Collected: 01/16/25 15:45**
**Date Received: 01/17/25 08:27**

| 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 | 100551 | 01/17/25 11:15 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 100582 | 01/17/25 21:37 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 100675 | 01/17/25 21:37 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 100764 | 01/20/25 18:01 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 100557 | 01/17/25 11:32 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 100650 | 01/20/25 18:01 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 100602 | 01/17/25 17:03 | SI | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 100629 | 01/21/25 02:52 | CH | EET MID |

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO 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: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO 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: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-53358-1
SDG: Lea CO NM

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 880-53358-1 | TH-1 (1') | Solid | 01/16/25 11:30 | 01/17/25 08:27 |
| 880-53358-2 | TH-1 (4.1') | Solid | 01/16/25 11:45 | 01/17/25 08:27 |
| 880-53358-3 | TH-2 (1') | Solid | 01/16/25 11:50 | 01/17/25 08:27 |
| 880-53358-4 | TH-2 (4.1') | Solid | 01/16/25 12:05 | 01/17/25 08:27 |
| 880-53358-5 | TH-3 (1') | Solid | 01/16/25 12:10 | 01/17/25 08:27 |
| 880-53358-6 | TH-3 (4.1') | Solid | 01/16/25 12:25 | 01/17/25 08:27 |
| 880-53358-7 | TH-4 (1') | Solid | 01/16/25 12:30 | 01/17/25 08:27 |
| 880-53358-8 | TH-4 (4.1') | Solid | 01/16/25 12:45 | 01/17/25 08:27 |
| 880-53358-9 | TH-5 (1') | Solid | 01/16/25 12:50 | 01/17/25 08:27 |
| 880-53358-10 | TH-5 (4.1') | Solid | 01/16/25 13:05 | 01/17/25 08:27 |
| 880-53358-11 | TH-6 (1') | Solid | 01/16/25 13:10 | 01/17/25 08:27 |
| 880-53358-12 | TH-6 (4.1') | Solid | 01/16/25 13:25 | 01/17/25 08:27 |
| 880-53358-13 | TH-7 (1') | Solid | 01/16/25 13:30 | 01/17/25 08:27 |
| 880-53358-14 | TH-7 (4.1') | Solid | 01/16/25 13:45 | 01/17/25 08:27 |
| 880-53358-15 | TH-8 (1') | Solid | 01/16/25 13:50 | 01/17/25 08:27 |
| 880-53358-16 | TH-8 (4.1') | Solid | 01/16/25 14:05 | 01/17/25 08:27 |
| 880-53358-17 | TH-9 (1') | Solid | 01/16/25 14:10 | 01/17/25 08:27 |
| 880-53358-18 | TH-9 (4.1') | Solid | 01/16/25 14:25 | 01/17/25 08:27 |
| 880-53358-19 | TH-10 (1') | Solid | 01/16/25 14:30 | 01/17/25 08:27 |
| 880-53358-20 | TH-10 (4.1') | Solid | 01/16/25 14:45 | 01/17/25 08:27 |
| 880-53358-21 | TH-11 (1') | Solid | 01/16/25 14:50 | 01/17/25 08:27 |
| 880-53358-22 | TH-11 (4.1') | Solid | 01/16/25 15:05 | 01/17/25 08:27 |
| 880-53358-23 | TH-12 (1') | Solid | 01/16/25 15:10 | 01/17/25 08:27 |
| 880-53358-24 | TH-12 (4.1') | Solid | 01/16/25 15:25 | 01/17/25 08:27 |
| 880-53358-25 | TH-13 (1') | Solid | 01/16/25 15:30 | 01/17/25 08:27 |
| 880-53358-26 | TH-13 (4.1') | Solid | 01/16/25 15:45 | 01/17/25 08:27 |

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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) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

880-53358 Chain of Custody

Page 1 of 2

| | | | |
|---|---|---|---|
| Project Manager: | Cindy Crain | Bill to: (if different) | Billy Moore |
| Company Name: | Crain Environmental | Company Name: | FAE II |
| Address: | 2925 E. 17th St. | Address: | 11757 Katy Frwy, Ste. 725 |
| City, State ZIP: | Odessa, TX 79761 | City, State ZIP: | Houston, TX 77079 |
| Phone: | (575) 441-7244 | Email: | cindy.crain@gmail.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: | Lamunyon 561 CTB | Turn Around | ☒ Routine ☐ Rush |
| Project Number: | — | Due Date: | |
| Project Location: | Lea Co., NM | TAT starts the day received by the lab, if received by 4:30pm | |
| Sampler's Name: | Cindy Crain | | |
| PO #: | — | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes (No) | Wet Ice: | (Yes) No |
| Samples Received Intact: | (Yes) No | Thermometer ID: | IR8 |
| Cooler Custody Seals: | Yes No (N/A) | Correction Factor: | — |
| Sample Custody Seals: | Yes No (N/A) | Temperature Reading: | 4.9 |
| Total Containers: | | Corrected Temperature: | 4.8 |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2SO_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | Pres. Code | TPH 8015M | BTEX | Chlorides | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TH-1 (1') | S | 1/16/25 | 1130 | 1' | C | 1 | | X | X | X | |
| TH-1 (4.1') | | | 1145 | 4.1' | | | | | | | |
| TH-2 (1') | | | 1150 | 1' | | | | | | | |
| TH-2 (4.1') | | | 1205 | 4.1' | | | | | | | |
| TH-3 (1') | | | 1210 | 1' | | | | | | | |
| TH-3 (4.1') | | | 1225 | 4.1' | | | | | | | |
| TH-4 (1') | | | 1230 | 1' | | | | | | | |
| TH-4 (4.1') | | | 1245 | 4.1' | | | | | | | |
| TH-5 (1') | | | 1250 | 1' | | | | | | | |
| TH-5 (4.1') | ↓ | ↓ | 1305 | 4.1' | ↓ | ↓ | | ↓ | ↓ | ↓ | |

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 Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471



| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 Cindy Crain | | 1/17 | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

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) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 2 of 3

| | | | |
|---|---|---|---|
| Project Manager: | Cindy Crain | Bill to: (if different) | Billy Moore |
| Company Name: | Crain Environmental | Company Name: | FAE II |
| Address: | 2925 E. 17th St. | Address: | 11757 Katy Frwy, Ste. 725 |
| City, State ZIP: | Odessa, TX 79761 | City, State ZIP: | Houston, TX 77079 |
| Phone: | (575) 441-7244 Email: | | Cindy.crain@gmail.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: | Lamunyon 56/CTB | Turn Around | |
| Project Number: | – | ☒ Routine ☐ Rush | |
| Project Location: | Lea Co., NM | Due Date: | |
| Sampler's Name: | Cindy Crain | 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: | | |

**Preservative Codes**

None: NO DI Water: $H_2O$
Cool: Cool MeOH: Me
HCL: HC $HNO_3$: HN
$H_2SO_4$: $H_2$ NaOH: Na
$H_3PO_4$: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | Pres. Code | Parameters: TPH 8015M | BTEX | Chlorides | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TH-6 (1') | S | 1/16/25 | 1310 | 1' | C | 1 | | X | X | X | |
| TH-6 (4.1') | | | 1325 | 4.1' | | | | | | | |
| TH-7 (1') | | | 1330 | 1' | | | | | | | |
| TH-7 (4.1') | | | 1345 | 4.1' | | | | | | | |
| TH-8 (1') | | | 1350 | 1' | | | | | | | |
| TH-8 (4.1') | | | 1405 | 4.1' | | | | | | | |
| TH-9 (1') | | | 1410 | 1' | | | | | | | |
| TH-9 (4.1') | | | 1425 | 4.1' | | | | | | | |
| TH-10 (1') | | | 1430 | 1' | | | | | | | |
| TH-10 (4.1') | ↓ | ↓ | 1445 | 4.1' | ↓ | ↓ | | ↓ | ↓ | ↓ | |

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 Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471



| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 Cindy Crain | | 1/17 | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date: 08/25/2020 Rev. 2020.2

eurofins | Environment Testing Xenco

# 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

Work Order No: _____

www.xenco.com Page 3 of 3

| | | | |
|---|---|---|---|
| Project Manager: | Cindy Crain | Bill to: (if different) | Billy Moore |
| Company Name: | Crain Environmental | Company Name: | FAE II |
| Address: | 2925 E. 17th St. | Address: | 11757 Katy Frwy, Ste. 725 |
| City, State ZIP: | Odessa, TX 79761 | City, State ZIP: | Houston, TX 77079 |
| Phone: | (575) 441-7244 | Email: | cindy.crain@gmail.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: | Lamunyon 56/CTB | Turn Around | |
| Project Number: | — | ☒ Routine ☐ Rush | |
| Project Location: | Lea Co., NM | Due Date: | |
| Sampler's Name: | Cindy Crain | 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: | | |

Pres. Code

Parameters: TPH 8015M; BTEX; Chlorides

ANALYSIS REQUEST

**Preservative Codes**

None: NO — DI Water: $H_2O$
Cool: Cool — MeOH: Me
HCL: HC — $HNO_3$: HN
$H_2SO_4$: $H_2$ — NaOH: Na
$H_3PO_4$: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | Sample Comments |
|---|---|---|---|---|---|---|---|
| TH-11 (1') | S | 1/14/25 | 1450 | 1' | C | 1 | |
| TH-11 (4.1') | | | 1505 | 4.1' | | | |
| TH-12 (1') | | | 1510 | 1' | | | |
| TH-12 (4.1') | | | 1525 | 4.1' | | | |
| TH-13 (1') | | | 1530 | 1' | | | |
| TH-13 (4.1') | | | 1545 | 4.1' | | | |

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 Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471



| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 Cindy Crain | | 1/17 827 | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date: 08/25/2020 Rev. 2020.2

# Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-53358-1
SDG Number: Lea CO NM

**Login Number: 53358**
**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 | |

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Cindy Crain
Crain Environmental
2925 E. 17th St.
Odessa, Texas 79761

Generated 5/29/2025 2:00:55 PM

## JOB DESCRIPTION

Lamunyon 561 CTB
Lea Co., NM

## JOB NUMBER

880-58514-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.





my EOL

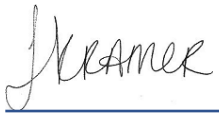
# Eurofins Midland

## 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
5/29/2025 2:00:55 PM

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

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Laboratory Job ID: 880-58514-1
SDG: Lea Co., NM

# Table of Contents

# Definitions/Glossary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., 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 |
|---|---|
| *1 | LCS/LCSD RPD exceeds control limits. |
| 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 |
|---|---|
| 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: Crain Environmental
Project: Lamunyon 561 CTB

Job ID: 880-58514-1

## Job ID: 880-58514-1 Eurofins Midland

**Job Narrative**
**880-58514-1**

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 5/23/2025 1:02 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 4.1°C.

**GC VOA**
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-110857 and analytical batch 880-110791 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: TH-13 (1') (880-58514-25). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following samples were outside control limits: TH-1 (1') (880-58514-1), TH-1 (4') (880-58514-2), TH-2 (1') (880-58514-3), TH-2 (4') (880-58514-4), TH-3 (1') (880-58514-5), TH-3 (4') (880-58514-6), TH-4 (1') (880-58514-7), TH-4 (4') (880-58514-8), TH-5 (1') (880-58514-9), TH-5 (4') (880-58514-10), TH-6 (1') (880-58514-11), TH-6 (4') (880-58514-12), TH-7 (1') (880-58514-13), TH-7 (4') (880-58514-14), TH-8 (1') (880-58514-15), TH-8 (4') (880-58514-16), TH-9 (1') (880-58514-17), TH-9 (4') (880-58514-18), TH-10 (1') (880-58514-19), TH-10 (4') (880-58514-20), (LCS 880-110863/1-A), (LCSD 880-110863/2-A), (MB 880-110817/5-A), (MB 880-110863/5-A), (880-58514-A-1-B MS) and (880-58514-A-1-C 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.

**Diesel Range Organics**
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110866 and analytical batch 880-111033 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: TH-2 (4') (880-58514-4), TH-3 (4') (880-58514-6), TH-4 (1') (880-58514-7), TH-4 (4') (880-58514-8) and TH-5 (1') (880-58514-9). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-110903 and analytical batch 880-111082 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 RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-110903 and analytical batch 880-111082 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: TH-12 (1') (880-58514-23), TH-12 (4') (880-58514-24) and TH-13 (4') (880-58514-26). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-58514-A-23-C MS) and (880-58514-A-23-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not

# Case Narrative

Client: Crain Environmental
Project: Lamunyon 561 CTB

Job ID: 880-58514-1

## Job ID: 880-58514-1 (Continued) Eurofins Midland

performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: TH-13 (1') (880-58514-25). 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 for preparation batch 880-110921 and analytical batch 880-110952 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.

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-1 (1')

**Date Collected: 05/21/25 10:30**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

**Lab Sample ID: 880-58514-1**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:38 | 05/23/25 23:47 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:38 | 05/23/25 23:47 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:38 | 05/23/25 23:47 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 05/23/25 14:38 | 05/23/25 23:47 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:38 | 05/23/25 23:47 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 05/23/25 14:38 | 05/23/25 23:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *179* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/23/25 23:47* | *1* |
| *1,4-Difluorobenzene (Surr)* | *84* | | *70 - 130* | *05/23/25 14:38* | *05/23/25 23:47* | *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 | | mg/Kg | | | 05/23/25 23:47 | 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 | | | 05/28/25 15:54 | 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 | <50.0 | U | 50.0 | | mg/Kg | | 05/23/25 10:59 | 05/28/25 15:54 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 05/23/25 10:59 | 05/28/25 15:54 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 05/23/25 10:59 | 05/28/25 15:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *85* | | *70 - 130* | *05/23/25 10:59* | *05/28/25 15:54* | *1* |
| *o-Terphenyl* | *71* | | *70 - 130* | *05/23/25 10:59* | *05/28/25 15:54* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **67.7** | | 9.92 | | mg/Kg | | | 05/27/25 13:40 | 1 |

## Client Sample ID: TH-1 (4')

**Date Collected: 05/21/25 10:35**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

**Lab Sample ID: 880-58514-2**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:07 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:07 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:07 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:07 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:07 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:07 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *173* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 00:07* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-1 (4')

**Date Collected: 05/21/25 10:35**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

**Lab Sample ID: 880-58514-2**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,4-Difluorobenzene (Surr)* | *84* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 00:07* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 05/24/25 00:07 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 05/28/25 16:10 | 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 | | 05/23/25 10:59 | 05/28/25 16:10 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 05/23/25 10:59 | 05/28/25 16:10 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 05/23/25 10:59 | 05/28/25 16:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *82* | | *70 - 130* | *05/23/25 10:59* | *05/28/25 16:10* | *1* |
| *o-Terphenyl* | *70* | | *70 - 130* | *05/23/25 10:59* | *05/28/25 16:10* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **57.3** | **F1** | 10.1 | | mg/Kg | | | 05/27/25 13:47 | 1 |

## Client Sample ID: TH-2 (1')

**Date Collected: 05/21/25 10:40**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

**Lab Sample ID: 880-58514-3**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:28 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:28 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:28 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:28 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:28 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *187* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 00:28* | *1* |
| *1,4-Difluorobenzene (Surr)* | *81* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 00:28* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00404 | U | 0.00404 | | mg/Kg | | | 05/24/25 00:28 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.1 | U | 50.1 | | mg/Kg | | | 05/28/25 16:25 | 1 |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-2 (1')

**Lab Sample ID: 880-58514-3**
**Matrix: Solid**
**Date Collected: 05/21/25 10:40**
**Date Received: 05/23/25 13:02**
**Sample Depth: 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 | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 10:59 | 05/28/25 16:25 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 10:59 | 05/28/25 16:25 | 1 |
| Oil Range Organics (Over C28-C36) | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 10:59 | 05/28/25 16:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *86* | | *70 - 130* | *05/23/25 10:59* | *05/28/25 16:25* | *1* |
| *o-Terphenyl* | *70* | | *70 - 130* | *05/23/25 10:59* | *05/28/25 16:25* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **126** | | 10.1 | | mg/Kg | | | 05/27/25 14:09 | 1 |

## Client Sample ID: TH-2 (4')

**Lab Sample ID: 880-58514-4**
**Matrix: Solid**
**Date Collected: 05/21/25 10:45**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:48 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:48 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:48 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:48 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:48 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 00:48 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *172* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 00:48* | *1* |
| *1,4-Difluorobenzene (Surr)* | *85* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 00:48* | *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 | | mg/Kg | | | 05/24/25 00:48 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.1 | U | 50.1 | | mg/Kg | | | 05/28/25 10:30 | 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 | <50.1 | U F1 | 50.1 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 10:30 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U F1 | 50.1 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 10:30 | 1 |
| Oil Range Organics (Over C28-C36) | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 10:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *72* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 10:30* | *1* |
| *o-Terphenyl* | *66* | *S1-* | *70 - 130* | *05/23/25 15:00* | *05/28/25 10:30* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-2 (4')

**Lab Sample ID: 880-58514-4**
**Matrix: Solid**
**Date Collected: 05/21/25 10:45**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 54.9 | | 9.98 | | mg/Kg | | | 05/27/25 14:16 | 1 |

## Client Sample ID: TH-3 (1')

**Lab Sample ID: 880-58514-5**
**Matrix: Solid**
**Date Collected: 05/21/25 10:50**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:09 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:09 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:09 | 1 |
| m-Xylene & p-Xylene | <0.00397 | U | 0.00397 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:09 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:09 | 1 |
| Xylenes, Total | <0.00397 | U | 0.00397 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *177* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 01:09* | *1* |
| *1,4-Difluorobenzene (Surr)* | *83* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 01:09* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00397 | U | 0.00397 | | mg/Kg | | | 05/24/25 01:09 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.1 | U | 50.1 | | mg/Kg | | | 05/28/25 11:19 | 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 | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 11:19 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 11:19 | 1 |
| Oil Range Organics (Over C28-C36) | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 11:19 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *78* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 11:19* | *1* |
| *o-Terphenyl* | *75* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 11:19* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 110 | | 9.98 | | mg/Kg | | | 05/27/25 14:38 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-3 (4')

**Lab Sample ID: 880-58514-6**
**Matrix: Solid**
**Date Collected: 05/21/25 10:55**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:29 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:29 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:29 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:29 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:29 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:29 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *181* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 01:29* | *1* |
| *1,4-Difluorobenzene (Surr)* | *85* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 01:29* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00396 | U | 0.00396 | | mg/Kg | | | 05/24/25 01:29 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 05/28/25 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 | <49.9 | U | 49.9 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 11:36 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 11:36 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 11:36 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *76* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 11:36* | *1* |
| *o-Terphenyl* | *69* | *S1-* | *70 - 130* | *05/23/25 15:00* | *05/28/25 11:36* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **91.7** | | 9.96 | | mg/Kg | | | 05/27/25 14:46 | 1 |

## Client Sample ID: TH-4 (1')

**Lab Sample ID: 880-58514-7**
**Matrix: Solid**
**Date Collected: 05/21/25 11:00**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:50 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:50 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:50 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:50 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:50 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 01:50 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *174* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 01:50* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-4 (1')

**Date Collected: 05/21/25 11:00**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

**Lab Sample ID: 880-58514-7**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,4-Difluorobenzene (Surr)* | *82* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 01:50* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 05/24/25 01:50 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 05/28/25 11:52 | 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 | <49.8 | U | 49.8 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 11:52 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 11:52 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 11:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *75* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 11:52* | *1* |
| *o-Terphenyl* | *68* | *S1-* | *70 - 130* | *05/23/25 15:00* | *05/28/25 11:52* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **107** | | 9.94 | | mg/Kg | | | 05/27/25 14:53 | 1 |

## Client Sample ID: TH-4 (4')

**Date Collected: 05/21/25 11:05**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

**Lab Sample ID: 880-58514-8**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:10 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:10 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:10 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:10 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:10 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *172* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 02:10* | *1* |
| *1,4-Difluorobenzene (Surr)* | *84* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 02:10* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00404 | U | 0.00404 | | mg/Kg | | | 05/24/25 02:10 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.7 | U | 49.7 | | mg/Kg | | | 05/28/25 12:08 | 1 |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-4 (4')

**Lab Sample ID: 880-58514-8**
**Matrix: Solid**
**Date Collected: 05/21/25 11:05**
**Date Received: 05/23/25 13:02**
**Sample Depth: 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 | <49.7 | U | 49.7 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 12:08 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.7 | U | 49.7 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 12:08 | 1 |
| Oil Range Organics (Over C28-C36) | <49.7 | U | 49.7 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 12:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *76* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 12:08* | *1* |
| *o-Terphenyl* | *69* | *S1-* | *70 - 130* | *05/23/25 15:00* | *05/28/25 12:08* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **66.8** | | 9.92 | | mg/Kg | | | 05/27/25 15:00 | 1 |

## Client Sample ID: TH-5 (1')

**Lab Sample ID: 880-58514-9**
**Matrix: Solid**
**Date Collected: 05/21/25 11:10**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:30 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:30 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:30 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:30 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:30 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *180* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 02:30* | *1* |
| *1,4-Difluorobenzene (Surr)* | *82* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 02:30* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00404 | U | 0.00404 | | mg/Kg | | | 05/24/25 02:30 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.1 | U | 50.1 | | mg/Kg | | | 05/28/25 12:24 | 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 | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 12:24 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 12:24 | 1 |
| Oil Range Organics (Over C28-C36) | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 12:24 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *76* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 12:24* | *1* |
| *o-Terphenyl* | *69* | *S1-* | *70 - 130* | *05/23/25 15:00* | *05/28/25 12:24* | *1* |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-5 (1')
**Lab Sample ID: 880-58514-9**
**Date Collected: 05/21/25 11:10**
**Matrix: Solid**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 68.3 | | 10.0 | | mg/Kg | | | 05/27/25 15:07 | 1 |

## Client Sample ID: TH-5 (4')
**Lab Sample ID: 880-58514-10**
**Date Collected: 05/21/25 11:15**
**Matrix: Solid**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:51 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:51 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:51 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:51 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:51 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 02:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *180* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 02:51* | *1* |
| *1,4-Difluorobenzene (Surr)* | *83* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 02:51* | *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 | | mg/Kg | | | 05/24/25 02:51 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 05/28/25 12:39 | 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 | <49.8 | U | 49.8 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 12:39 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 12:39 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 12:39 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *77* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 12:39* | *1* |
| *o-Terphenyl* | *72* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 12:39* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 83.5 | | 10.1 | | mg/Kg | | | 05/27/25 15:15 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-6 (1')

**Date Collected: 05/21/25 11:20**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

**Lab Sample ID: 880-58514-11**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 04:25 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 04:25 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 04:25 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 04:25 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 04:25 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 04:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *182* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 04:25* | *1* |
| *1,4-Difluorobenzene (Surr)* | *83* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 04:25* | *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 | | mg/Kg | | | 05/24/25 04:25 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.7 | U | 49.7 | | mg/Kg | | | 05/28/25 12:57 | 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 | <49.7 | U | 49.7 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 12:57 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.7 | U | 49.7 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 12:57 | 1 |
| Oil Range Organics (Over C28-C36) | <49.7 | U | 49.7 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 12:57 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *79* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 12:57* | *1* |
| *o-Terphenyl* | *72* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 12:57* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **106** | | 9.94 | | mg/Kg | | | 05/27/25 15:22 | 1 |

## Client Sample ID: TH-6 (4')

**Date Collected: 05/21/25 11:35**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

**Lab Sample ID: 880-58514-12**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 04:46 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 04:46 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 04:46 | 1 |
| m-Xylene & p-Xylene | <0.00397 | U | 0.00397 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 04:46 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 04:46 | 1 |
| Xylenes, Total | <0.00397 | U | 0.00397 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 04:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *181* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 04:46* | *1* |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-6 (4')

**Lab Sample ID: 880-58514-12**
**Matrix: Solid**

**Date Collected: 05/21/25 11:35**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1,4-Difluorobenzene (Surr)* | *82* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 04:46* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00397 | U | 0.00397 | | mg/Kg | | | 05/24/25 04:46 | 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 | | | 05/28/25 13:13 | 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 | <50.0 | U | 50.0 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 13:13 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 13:13 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 13:13 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *82* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 13:13* | *1* |
| *o-Terphenyl* | *73* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 13:13* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **114** | | 9.92 | | mg/Kg | | | 05/27/25 21:26 | 1 |

## Client Sample ID: TH-7 (1')

**Lab Sample ID: 880-58514-13**
**Matrix: Solid**

**Date Collected: 05/21/25 11:30**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:06 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:06 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:06 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:06 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:06 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:06 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *175* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 05:06* | *1* |
| *1,4-Difluorobenzene (Surr)* | *83* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 05:06* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 05/24/25 05:06 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.1 | U | 50.1 | | mg/Kg | | | 05/28/25 13:29 | 1 |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-7 (1')

**Lab Sample ID: 880-58514-13**
**Matrix: Solid**
**Date Collected: 05/21/25 11:30**
**Date Received: 05/23/25 13:02**
**Sample Depth: 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 | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 13:29 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 13:29 | 1 |
| Oil Range Organics (Over C28-C36) | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 13:29 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *77* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 13:29* | *1* |
| *o-Terphenyl* | *71* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 13:29* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **98.7** | | 9.96 | | mg/Kg | | | 05/27/25 21:48 | 1 |

## Client Sample ID: TH-7 (4')

**Lab Sample ID: 880-58514-14**
**Matrix: Solid**
**Date Collected: 05/21/25 11:35**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:27 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:27 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:27 | 1 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.00403 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:27 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:27 | 1 |
| Xylenes, Total | <0.00403 | U | 0.00403 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:27 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *191* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 05:27* | *1* |
| *1,4-Difluorobenzene (Surr)* | *81* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 05:27* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00403 | U | 0.00403 | | mg/Kg | | | 05/24/25 05:27 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.3 | U | 50.3 | | mg/Kg | | | 05/28/25 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 | <50.3 | U | 50.3 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 14:01 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.3 | U | 50.3 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 14:01 | 1 |
| Oil Range Organics (Over C28-C36) | <50.3 | U | 50.3 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 14:01 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *80* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 14:01* | *1* |
| *o-Terphenyl* | *70* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 14:01* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-7 (4')

**Lab Sample ID: 880-58514-14**
**Matrix: Solid**
**Date Collected: 05/21/25 11:35**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 138 | | 9.94 | | mg/Kg | | | 05/27/25 21:55 | 1 |

## Client Sample ID: TH-8 (1')

**Lab Sample ID: 880-58514-15**
**Matrix: Solid**
**Date Collected: 05/21/25 11:40**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:47 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:47 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:47 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:47 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:47 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 05:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *179* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 05:47* | *1* |
| *1,4-Difluorobenzene (Surr)* | *85* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 05:47* | *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 | | mg/Kg | | | 05/24/25 05:47 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 05/28/25 14:18 | 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 | <49.9 | U | 49.9 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 14:18 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 14:18 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 14:18 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *84* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 14:18* | *1* |
| *o-Terphenyl* | *76* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 14:18* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 91.5 | | 9.96 | | mg/Kg | | | 05/27/25 22:02 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-8 (4')

**Lab Sample ID: 880-58514-16**
**Matrix: Solid**
**Date Collected: 05/21/25 11:45**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:08 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:08 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:08 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:08 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:08 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *189* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 06:08* | *1* |
| *1,4-Difluorobenzene (Surr)* | *80* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 06:08* | *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 | | mg/Kg | | | 05/24/25 06:08 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.7 | U | 49.7 | | mg/Kg | | | 05/28/25 14:33 | 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 | <49.7 | U | 49.7 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 14:33 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.7 | U | 49.7 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 14:33 | 1 |
| Oil Range Organics (Over C28-C36) | <49.7 | U | 49.7 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 14:33 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *85* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 14:33* | *1* |
| *o-Terphenyl* | *78* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 14:33* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **82.4** | | 10.0 | | mg/Kg | | | 05/27/25 22:10 | 1 |

## Client Sample ID: TH-9 (1')

**Lab Sample ID: 880-58514-17**
**Matrix: Solid**
**Date Collected: 05/21/25 11:50**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:28 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:28 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:28 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:28 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:28 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:28 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *178* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 06:28* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-9 (1')

**Lab Sample ID: 880-58514-17**
**Matrix: Solid**
**Date Collected: 05/21/25 11:50**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1,4-Difluorobenzene (Surr)* | *83* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 06:28* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 05/24/25 06:28 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 05/28/25 14:49 | 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 | <49.8 | U | 49.8 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 14:49 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 14:49 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 14:49 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *82* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 14:49* | *1* |
| *o-Terphenyl* | *72* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 14:49* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **116** | | 10.0 | | mg/Kg | | | 05/27/25 22:32 | 1 |

## Client Sample ID: TH-9 (4')

**Lab Sample ID: 880-58514-18**
**Matrix: Solid**
**Date Collected: 05/21/25 11:55**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:49 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:49 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:49 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:49 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:49 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 06:49 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *185* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 06:49* | *1* |
| *1,4-Difluorobenzene (Surr)* | *81* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 06:49* | *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 | | mg/Kg | | | 05/24/25 06:49 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 05/28/25 15:06 | 1 |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-9 (4')

**Lab Sample ID: 880-58514-18**
**Matrix: Solid**
**Date Collected: 05/21/25 11:55**
**Date Received: 05/23/25 13:02**
**Sample Depth: 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 | <49.9 | U | 49.9 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 15:06 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 15:06 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 15:06 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *80* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 15:06* | *1* |
| *o-Terphenyl* | *71* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 15:06* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **81.6** | | 10.0 | | mg/Kg | | | 05/27/25 22:39 | 1 |

## Client Sample ID: TH-10 (1')

**Lab Sample ID: 880-58514-19**
**Matrix: Solid**
**Date Collected: 05/21/25 12:00**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 07:09 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 07:09 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 07:09 | 1 |
| m-Xylene & p-Xylene | <0.00397 | U | 0.00397 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 07:09 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 07:09 | 1 |
| Xylenes, Total | <0.00397 | U | 0.00397 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 07:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *189* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 07:09* | *1* |
| *1,4-Difluorobenzene (Surr)* | *80* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 07:09* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00397 | U | 0.00397 | | mg/Kg | | | 05/24/25 07:09 | 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 | | | 05/28/25 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 | <50.0 | U | 50.0 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 15:22 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 15:22 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 15:22 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *83* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 15:22* | *1* |
| *o-Terphenyl* | *76* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 15:22* | *1* |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-10 (1')

**Lab Sample ID: 880-58514-19**
**Matrix: Solid**
**Date Collected: 05/21/25 12:00**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 94.9 | | 10.1 | | mg/Kg | | | 05/27/25 22:46 | 1 |

## Client Sample ID: TH-10 (4')

**Lab Sample ID: 880-58514-20**
**Matrix: Solid**
**Date Collected: 05/21/25 12:05**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 07:30 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 07:30 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 07:30 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 07:30 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 07:30 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 05/23/25 14:38 | 05/24/25 07:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *184* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/24/25 07:30* | *1* |
| *1,4-Difluorobenzene (Surr)* | *83* | | *70 - 130* | *05/23/25 14:38* | *05/24/25 07:30* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00404 | U | 0.00404 | | mg/Kg | | | 05/24/25 07:30 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.1 | U | 50.1 | | mg/Kg | | | 05/28/25 15:38 | 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 | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 15:38 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 15:38 | 1 |
| Oil Range Organics (Over C28-C36) | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 15:38 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *80* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 15:38* | *1* |
| *o-Terphenyl* | *72* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 15:38* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 119 | | 9.98 | | mg/Kg | | | 05/27/25 22:54 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-11 (1')

**Lab Sample ID: 880-58514-21**
**Matrix: Solid**
**Date Collected: 05/21/25 12:10**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:25 | 05/24/25 07:06 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:25 | 05/24/25 07:06 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:25 | 05/24/25 07:06 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 05/23/25 14:25 | 05/24/25 07:06 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:25 | 05/24/25 07:06 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 05/23/25 14:25 | 05/24/25 07:06 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* | *05/23/25 14:25* | *05/24/25 07:06* | *1* |
| *1,4-Difluorobenzene (Surr)* | *96* | | *70 - 130* | *05/23/25 14:25* | *05/24/25 07:06* | *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 | | mg/Kg | | | 05/24/25 07:06 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 05/28/25 15:54 | 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 | <49.8 | U | 49.8 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 15:54 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 15:54 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 15:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *85* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 15:54* | *1* |
| *o-Terphenyl* | *74* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 15:54* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **87.5** | | 9.98 | | mg/Kg | | | 05/27/25 23:01 | 1 |

## Client Sample ID: TH-11 (4')

**Lab Sample ID: 880-58514-22**
**Matrix: Solid**
**Date Collected: 05/21/25 12:15**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 19:41 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 19:41 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 19:41 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 19:41 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 19:41 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 19:41 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *119* | | *70 - 130* | *05/23/25 14:15* | *05/23/25 19:41* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-11 (4')

**Lab Sample ID: 880-58514-22**
**Matrix: Solid**
**Date Collected: 05/21/25 12:15**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1,4-Difluorobenzene (Surr)* | *110* | | *70 - 130* | *05/23/25 14:15* | *05/23/25 19:41* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00396 | U | 0.00396 | | mg/Kg | | | 05/23/25 19:41 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 05/28/25 16:10 | 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 | | 05/23/25 15:00 | 05/28/25 16:10 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 16:10 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 05/23/25 15:00 | 05/28/25 16:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *82* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 16:10* | *1* |
| *o-Terphenyl* | *73* | | *70 - 130* | *05/23/25 15:00* | *05/28/25 16:10* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **113** | | 9.96 | | mg/Kg | | | 05/27/25 23:08 | 1 |

## Client Sample ID: TH-12 (1')

**Lab Sample ID: 880-58514-23**
**Matrix: Solid**
**Date Collected: 05/21/25 12:20**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:02 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:02 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:02 | 1 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.00403 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:02 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:02 | 1 |
| Xylenes, Total | <0.00403 | U | 0.00403 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:02 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *117* | | *70 - 130* | *05/23/25 14:15* | *05/23/25 20:02* | *1* |
| *1,4-Difluorobenzene (Surr)* | *118* | | *70 - 130* | *05/23/25 14:15* | *05/23/25 20:02* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00403 | U | 0.00403 | | mg/Kg | | | 05/23/25 20:02 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.1 | U | 50.1 | | mg/Kg | | | 05/28/25 18:24 | 1 |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-12 (1')

**Lab Sample ID: 880-58514-23**
**Matrix: Solid**
**Date Collected: 05/21/25 12:20**
**Date Received: 05/23/25 13:02**
**Sample Depth: 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 | <50.1 | U *1 | 50.1 | | mg/Kg | | 05/23/25 17:04 | 05/28/25 18:24 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U *1 F1 | 50.1 | | mg/Kg | | 05/23/25 17:04 | 05/28/25 18:24 | 1 |
| Oil Range Organics (Over C28-C36) | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 17:04 | 05/28/25 18:24 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *134* | *S1+* | *70 - 130* | *05/23/25 17:04* | *05/28/25 18:24* | *1* |
| *o-Terphenyl* | *148* | *S1+* | *70 - 130* | *05/23/25 17:04* | *05/28/25 18:24* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **80.3** | | 9.92 | | mg/Kg | | | 05/27/25 23:30 | 1 |

## Client Sample ID: TH-12 (4')

**Lab Sample ID: 880-58514-24**
**Matrix: Solid**
**Date Collected: 05/21/25 12:25**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:22 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:22 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:22 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:22 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:22 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:22 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *116* | | *70 - 130* | *05/23/25 14:15* | *05/23/25 20:22* | *1* |
| *1,4-Difluorobenzene (Surr)* | *110* | | *70 - 130* | *05/23/25 14:15* | *05/23/25 20:22* | *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 | | mg/Kg | | | 05/23/25 20:22 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.1 | U | 50.1 | | mg/Kg | | | 05/28/25 19:10 | 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 | <50.1 | U *1 | 50.1 | | mg/Kg | | 05/23/25 17:04 | 05/28/25 19:10 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U *1 | 50.1 | | mg/Kg | | 05/23/25 17:04 | 05/28/25 19:10 | 1 |
| Oil Range Organics (Over C28-C36) | <50.1 | U | 50.1 | | mg/Kg | | 05/23/25 17:04 | 05/28/25 19:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *133* | *S1+* | *70 - 130* | *05/23/25 17:04* | *05/28/25 19:10* | *1* |
| *o-Terphenyl* | *136* | *S1+* | *70 - 130* | *05/23/25 17:04* | *05/28/25 19:10* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-12 (4')

**Lab Sample ID: 880-58514-24**
**Matrix: Solid**
**Date Collected: 05/21/25 12:25**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 73.4 | | 9.90 | | mg/Kg | | | 05/27/25 23:38 | 1 |

## Client Sample ID: TH-13 (1')

**Lab Sample ID: 880-58514-25**
**Matrix: Solid**
**Date Collected: 05/21/25 12:30**
**Date Received: 05/23/25 13:02**
**Sample Depth: 1'**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:43 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:43 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:43 | 1 |
| m-Xylene & p-Xylene | <0.00397 | U | 0.00397 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:43 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:43 | 1 |
| Xylenes, Total | <0.00397 | U | 0.00397 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 20:43 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *152* | *S1+* | *70 - 130* | *05/23/25 14:15* | *05/23/25 20:43* | *1* |
| *1,4-Difluorobenzene (Surr)* | *115* | | *70 - 130* | *05/23/25 14:15* | *05/23/25 20:43* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00397 | U | 0.00397 | | mg/Kg | | | 05/23/25 20:43 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <50.3 | U | 50.3 | | mg/Kg | | | 05/28/25 19:25 | 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 | <50.3 | U *1 | 50.3 | | mg/Kg | | 05/23/25 17:04 | 05/28/25 19:25 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.3 | U *1 | 50.3 | | mg/Kg | | 05/23/25 17:04 | 05/28/25 19:25 | 1 |
| Oil Range Organics (Over C28-C36) | <50.3 | U | 50.3 | | mg/Kg | | 05/23/25 17:04 | 05/28/25 19:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *130* | | *70 - 130* | *05/23/25 17:04* | *05/28/25 19:25* | *1* |
| *o-Terphenyl* | *132* | *S1+* | *70 - 130* | *05/23/25 17:04* | *05/28/25 19:25* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 111 | | 9.94 | | mg/Kg | | | 05/28/25 00:00 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-13 (4')

**Date Collected: 05/21/25 12:35**
**Date Received: 05/23/25 13:02**
**Sample Depth: 4'**

## Lab Sample ID: 880-58514-26

**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 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 21:03 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 21:03 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 21:03 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 21:03 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 21:03 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 05/23/25 14:15 | 05/23/25 21:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *119* | | *70 - 130* | *05/23/25 14:15* | *05/23/25 21:03* | *1* |
| *1,4-Difluorobenzene (Surr)* | *116* | | *70 - 130* | *05/23/25 14:15* | *05/23/25 21:03* | *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 | | mg/Kg | | | 05/23/25 21:03 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 05/28/25 19:40 | 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 *1 | 49.9 | | mg/Kg | | 05/23/25 17:04 | 05/28/25 19:40 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U *1 | 49.9 | | mg/Kg | | 05/23/25 17:04 | 05/28/25 19:40 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 05/23/25 17:04 | 05/28/25 19:40 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *134* | *S1+* | *70 - 130* | *05/23/25 17:04* | *05/28/25 19:40* | *1* |
| *o-Terphenyl* | *136* | *S1+* | *70 - 130* | *05/23/25 17:04* | *05/28/25 19:40* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **83.7** | | 10.1 | | mg/Kg | | | 05/28/25 00:07 | 1 |

# Surrogate Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., 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) |
| 880-58514-1 | TH-1 (1') | 179 S1+ | 84 |
| 880-58514-1 MS | TH-1 (1') | 171 S1+ | 87 |
| 880-58514-1 MSD | TH-1 (1') | 161 S1+ | 88 |
| 880-58514-2 | TH-1 (4') | 173 S1+ | 84 |
| 880-58514-3 | TH-2 (1') | 187 S1+ | 81 |
| 880-58514-4 | TH-2 (4') | 172 S1+ | 85 |
| 880-58514-5 | TH-3 (1') | 177 S1+ | 83 |
| 880-58514-6 | TH-3 (4') | 181 S1+ | 85 |
| 880-58514-7 | TH-4 (1') | 174 S1+ | 82 |
| 880-58514-8 | TH-4 (4') | 172 S1+ | 84 |
| 880-58514-9 | TH-5 (1') | 180 S1+ | 82 |
| 880-58514-10 | TH-5 (4') | 180 S1+ | 83 |
| 880-58514-11 | TH-6 (1') | 182 S1+ | 83 |
| 880-58514-12 | TH-6 (4') | 181 S1+ | 82 |
| 880-58514-13 | TH-7 (1') | 175 S1+ | 83 |
| 880-58514-14 | TH-7 (4') | 191 S1+ | 81 |
| 880-58514-15 | TH-8 (1') | 179 S1+ | 85 |
| 880-58514-16 | TH-8 (4') | 189 S1+ | 80 |
| 880-58514-17 | TH-9 (1') | 178 S1+ | 83 |
| 880-58514-18 | TH-9 (4') | 185 S1+ | 81 |
| 880-58514-19 | TH-10 (1') | 189 S1+ | 80 |
| 880-58514-20 | TH-10 (4') | 184 S1+ | 83 |
| 880-58514-21 | TH-11 (1') | 100 | 96 |
| 880-58514-22 | TH-11 (4') | 119 | 110 |
| 880-58514-23 | TH-12 (1') | 117 | 118 |
| 880-58514-24 | TH-12 (4') | 116 | 110 |
| 880-58514-25 | TH-13 (1') | 152 S1+ | 115 |
| 880-58514-26 | TH-13 (4') | 119 | 116 |
| LCS 880-110857/1-A | Lab Control Sample | 97 | 104 |
| LCS 880-110861/1-A | Lab Control Sample | 100 | 103 |
| LCS 880-110863/1-A | Lab Control Sample | 160 S1+ | 88 |
| LCSD 880-110857/2-A | Lab Control Sample Dup | 96 | 93 |
| LCSD 880-110861/2-A | Lab Control Sample Dup | 99 | 103 |
| LCSD 880-110863/2-A | Lab Control Sample Dup | 162 S1+ | 87 |
| MB 880-110716/5-A | Method Blank | 100 | 91 |
| MB 880-110817/5-A | Method Blank | 159 S1+ | 83 |
| MB 880-110857/5-A | Method Blank | 249 S1+ | 156 S1+ |
| MB 880-110861/5-A | Method Blank | 100 | 84 |
| MB 880-110863/5-A | Method Blank | 172 S1+ | 79 |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

# Surrogate Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., 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 (70-130) | OTPH1 (70-130) |
| 880-58514-1 | TH-1 (1') | 85 | 71 |
| 880-58514-2 | TH-1 (4') | 82 | 70 |
| 880-58514-3 | TH-2 (1') | 86 | 70 |
| 880-58514-4 | TH-2 (4') | 72 | 66 S1- |
| 880-58514-4 MS | TH-2 (4') | 81 | 71 |
| 880-58514-4 MSD | TH-2 (4') | 94 | 78 |
| 880-58514-5 | TH-3 (1') | 78 | 75 |
| 880-58514-6 | TH-3 (4') | 76 | 69 S1- |
| 880-58514-7 | TH-4 (1') | 75 | 68 S1- |
| 880-58514-8 | TH-4 (4') | 76 | 69 S1- |
| 880-58514-9 | TH-5 (1') | 76 | 69 S1- |
| 880-58514-10 | TH-5 (4') | 77 | 72 |
| 880-58514-11 | TH-6 (1') | 79 | 72 |
| 880-58514-12 | TH-6 (4') | 82 | 73 |
| 880-58514-13 | TH-7 (1') | 77 | 71 |
| 880-58514-14 | TH-7 (4') | 80 | 70 |
| 880-58514-15 | TH-8 (1') | 84 | 76 |
| 880-58514-16 | TH-8 (4') | 85 | 78 |
| 880-58514-17 | TH-9 (1') | 82 | 72 |
| 880-58514-18 | TH-9 (4') | 80 | 71 |
| 880-58514-19 | TH-10 (1') | 83 | 76 |
| 880-58514-20 | TH-10 (4') | 80 | 72 |
| 880-58514-21 | TH-11 (1') | 85 | 74 |
| 880-58514-22 | TH-11 (4') | 82 | 73 |
| 880-58514-23 | TH-12 (1') | 134 S1+ | 148 S1+ |
| 880-58514-23 MS | TH-12 (1') | 132 S1+ | 127 |
| 880-58514-23 MSD | TH-12 (1') | 131 S1+ | 126 |
| 880-58514-24 | TH-12 (4') | 133 S1+ | 136 S1+ |
| 880-58514-25 | TH-13 (1') | 130 | 132 S1+ |
| 880-58514-26 | TH-13 (4') | 134 S1+ | 136 S1+ |
| LCS 880-110849/2-A | Lab Control Sample | 92 | 88 |
| LCS 880-110866/2-A | Lab Control Sample | 98 | 108 |
| LCS 880-110903/2-A | Lab Control Sample | 75 | 75 |
| LCSD 880-110849/3-A | Lab Control Sample Dup | 106 | 90 |
| LCSD 880-110866/3-A | Lab Control Sample Dup | 107 | 122 |
| LCSD 880-110903/3-A | Lab Control Sample Dup | 116 | 116 |
| MB 880-110849/1-A | Method Blank | 92 | 84 |
| MB 880-110866/1-A | Method Blank | 71 | 72 |
| MB 880-110903/1-A | Method Blank | 102 | 107 |

**Surrogate Legend**

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Method: 8021B - Volatile Organic Compounds (GC)

**Lab Sample ID: MB 880-110716/5-A**
**Matrix: Solid**
**Analysis Batch: 110788**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 110716**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/22/25 10:40 | 05/23/25 12:21 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/22/25 10:40 | 05/23/25 12:21 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/22/25 10:40 | 05/23/25 12:21 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 05/22/25 10:40 | 05/23/25 12:21 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/22/25 10:40 | 05/23/25 12:21 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 05/22/25 10:40 | 05/23/25 12:21 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* | *05/22/25 10:40* | *05/23/25 12:21* | *1* |
| *1,4-Difluorobenzene (Surr)* | *91* | | *70 - 130* | *05/22/25 10:40* | *05/23/25 12:21* | *1* |

**Lab Sample ID: MB 880-110817/5-A**
**Matrix: Solid**
**Analysis Batch: 110787**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 110817**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 10:23 | 05/23/25 12:26 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 10:23 | 05/23/25 12:26 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 10:23 | 05/23/25 12:26 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 05/23/25 10:23 | 05/23/25 12:26 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 10:23 | 05/23/25 12:26 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 05/23/25 10:23 | 05/23/25 12:26 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *159* | *S1+* | *70 - 130* | *05/23/25 10:23* | *05/23/25 12:26* | *1* |
| *1,4-Difluorobenzene (Surr)* | *83* | | *70 - 130* | *05/23/25 10:23* | *05/23/25 12:26* | *1* |

**Lab Sample ID: MB 880-110857/5-A**
**Matrix: Solid**
**Analysis Batch: 110791**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 110857**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 12:15 | 05/23/25 12:35 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 12:15 | 05/23/25 12:35 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 12:15 | 05/23/25 12:35 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 05/23/25 12:15 | 05/23/25 12:35 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 12:15 | 05/23/25 12:35 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 05/23/25 12:15 | 05/23/25 12:35 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *249* | *S1+* | *70 - 130* | *05/23/25 12:15* | *05/23/25 12:35* | *1* |
| *1,4-Difluorobenzene (Surr)* | *156* | *S1+* | *70 - 130* | *05/23/25 12:15* | *05/23/25 12:35* | *1* |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCS 880-110857/1-A**
**Matrix: Solid**
**Analysis Batch: 110791**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 110857**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.09789 | | mg/Kg | | 98 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.09008 | | mg/Kg | | 90 | 70 - 130 | | |
| Ethylbenzene | | | 0.100 | 0.09827 | | mg/Kg | | 98 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.1963 | | mg/Kg | | 98 | 70 - 130 | | |
| o-Xylene | | | 0.100 | 0.1119 | | mg/Kg | | 112 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *97* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *104* | | *70 - 130* |

**Lab Sample ID: LCSD 880-110857/2-A**
**Matrix: Solid**
**Analysis Batch: 110791**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 110857**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.09375 | | mg/Kg | | 94 | 70 - 130 | 4 | 35 |
| Toluene | | | 0.100 | 0.1045 | | mg/Kg | | 104 | 70 - 130 | 15 | 35 |
| Ethylbenzene | | | 0.100 | 0.1022 | | mg/Kg | | 102 | 70 - 130 | 4 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.2091 | | mg/Kg | | 105 | 70 - 130 | 6 | 35 |
| o-Xylene | | | 0.100 | 0.1159 | | mg/Kg | | 116 | 70 - 130 | 3 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *93* | | *70 - 130* |

**Lab Sample ID: MB 880-110861/5-A**
**Matrix: Solid**
**Analysis Batch: 110788**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 110861**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:25 | 05/23/25 23:21 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:25 | 05/23/25 23:21 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:25 | 05/23/25 23:21 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 05/23/25 14:25 | 05/23/25 23:21 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:25 | 05/23/25 23:21 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 05/23/25 14:25 | 05/23/25 23:21 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* | *05/23/25 14:25* | *05/23/25 23:21* | *1* |
| *1,4-Difluorobenzene (Surr)* | *84* | | *70 - 130* | *05/23/25 14:25* | *05/23/25 23:21* | *1* |

**Lab Sample ID: LCS 880-110861/1-A**
**Matrix: Solid**
**Analysis Batch: 110788**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 110861**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.1148 | | mg/Kg | | 115 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.09358 | | mg/Kg | | 94 | 70 - 130 | | |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCS 880-110861/1-A**
**Matrix: Solid**
**Analysis Batch: 110788**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 110861**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Ethylbenzene | 0.100 | 0.09658 | | mg/Kg | | 97 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1995 | | mg/Kg | | 100 | 70 - 130 |
| o-Xylene | 0.100 | 0.09936 | | mg/Kg | | 99 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* |

**Lab Sample ID: LCSD 880-110861/2-A**
**Matrix: Solid**
**Analysis Batch: 110788**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 110861**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1094 | | mg/Kg | | 109 | 70 - 130 | 5 | 35 |
| Toluene | 0.100 | 0.09403 | | mg/Kg | | 94 | 70 - 130 | 0 | 35 |
| Ethylbenzene | 0.100 | 0.09842 | | mg/Kg | | 98 | 70 - 130 | 2 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2039 | | mg/Kg | | 102 | 70 - 130 | 2 | 35 |
| o-Xylene | 0.100 | 0.1019 | | mg/Kg | | 102 | 70 - 130 | 3 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *99* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *103* | | *70 - 130* |

**Lab Sample ID: MB 880-110863/5-A**
**Matrix: Solid**
**Analysis Batch: 110787**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 110863**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:38 | 05/23/25 23:25 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:38 | 05/23/25 23:25 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:38 | 05/23/25 23:25 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 05/23/25 14:38 | 05/23/25 23:25 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 05/23/25 14:38 | 05/23/25 23:25 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 05/23/25 14:38 | 05/23/25 23:25 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *172* | *S1+* | *70 - 130* | *05/23/25 14:38* | *05/23/25 23:25* | *1* |
| *1,4-Difluorobenzene (Surr)* | *79* | | *70 - 130* | *05/23/25 14:38* | *05/23/25 23:25* | *1* |

**Lab Sample ID: LCS 880-110863/1-A**
**Matrix: Solid**
**Analysis Batch: 110787**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 110863**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.09654 | | mg/Kg | | 97 | 70 - 130 |
| Toluene | 0.100 | 0.1026 | | mg/Kg | | 103 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.1045 | | mg/Kg | | 104 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2064 | | mg/Kg | | 103 | 70 - 130 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCS 880-110863/1-A**
**Matrix: Solid**
**Analysis Batch: 110787**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 110863**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| o-Xylene | | | 0.100 | 0.1059 | | mg/Kg | | 106 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *160* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *88* | | *70 - 130* |

**Lab Sample ID: LCSD 880-110863/2-A**
**Matrix: Solid**
**Analysis Batch: 110787**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 110863**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.09625 | | mg/Kg | | 96 | 70 - 130 | 0 | 35 |
| Toluene | | | 0.100 | 0.1026 | | mg/Kg | | 103 | 70 - 130 | 0 | 35 |
| Ethylbenzene | | | 0.100 | 0.1047 | | mg/Kg | | 105 | 70 - 130 | 0 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.2077 | | mg/Kg | | 104 | 70 - 130 | 1 | 35 |
| o-Xylene | | | 0.100 | 0.1066 | | mg/Kg | | 107 | 70 - 130 | 1 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *162* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *87* | | *70 - 130* |

**Lab Sample ID: 880-58514-1 MS**
**Matrix: Solid**
**Analysis Batch: 110787**

**Client Sample ID: TH-1 (1')**
**Prep Type: Total/NA**
**Prep Batch: 110863**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.100 | 0.1162 | | mg/Kg | | 116 | 70 - 130 | | |
| Toluene | <0.00200 | U | 0.100 | 0.1232 | | mg/Kg | | 123 | 70 - 130 | | |
| Ethylbenzene | <0.00200 | U | 0.100 | 0.1256 | | mg/Kg | | 126 | 70 - 130 | | |
| m-Xylene & p-Xylene | <0.00399 | U | 0.200 | 0.2466 | | mg/Kg | | 123 | 70 - 130 | | |
| o-Xylene | <0.00200 | U | 0.100 | 0.1250 | | mg/Kg | | 125 | 70 - 130 | | |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *171* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *87* | | *70 - 130* |

**Lab Sample ID: 880-58514-1 MSD**
**Matrix: Solid**
**Analysis Batch: 110787**

**Client Sample ID: TH-1 (1')**
**Prep Type: Total/NA**
**Prep Batch: 110863**

| 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 | 0.1177 | | mg/Kg | | 118 | 70 - 130 | 1 | 35 |
| Toluene | <0.00200 | U | 0.100 | 0.1251 | | mg/Kg | | 125 | 70 - 130 | 1 | 35 |
| Ethylbenzene | <0.00200 | U | 0.100 | 0.1279 | | mg/Kg | | 128 | 70 - 130 | 2 | 35 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.200 | 0.2520 | | mg/Kg | | 126 | 70 - 130 | 2 | 35 |
| o-Xylene | <0.00200 | U | 0.100 | 0.1278 | | mg/Kg | | 128 | 70 - 130 | 2 | 35 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: 880-58514-1 MSD**
**Matrix: Solid**
**Analysis Batch: 110787**

**Client Sample ID: TH-1 (1')**
**Prep Type: Total/NA**
**Prep Batch: 110863**

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 161 | S1+ | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 88 | | 70 - 130 |

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 880-110849/1-A**
**Matrix: Solid**
**Analysis Batch: 111035**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 110849**

| 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 | | 05/23/25 10:59 | 05/28/25 04:32 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 05/23/25 10:59 | 05/28/25 04:32 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 05/23/25 10:59 | 05/28/25 04:32 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane | 92 | | 70 - 130 | 05/23/25 10:59 | 05/28/25 04:32 | 1 |
| o-Terphenyl | 84 | | 70 - 130 | 05/23/25 10:59 | 05/28/25 04:32 | 1 |

**Lab Sample ID: LCS 880-110849/2-A**
**Matrix: Solid**
**Analysis Batch: 111035**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 110849**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 938.9 | | mg/Kg | | 94 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 856.3 | | mg/Kg | | 86 | 70 - 130 | | |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 92 | | 70 - 130 |
| o-Terphenyl | 88 | | 70 - 130 |

**Lab Sample ID: LCSD 880-110849/3-A**
**Matrix: Solid**
**Analysis Batch: 111035**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 110849**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 904.4 | | mg/Kg | | 90 | 70 - 130 | 4 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 810.4 | | mg/Kg | | 81 | 70 - 130 | 6 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 106 | | 70 - 130 |
| o-Terphenyl | 90 | | 70 - 130 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: MB 880-110866/1-A**
**Matrix: Solid**
**Analysis Batch: 111033**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 110866**

| 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 | | 05/23/25 14:59 | 05/28/25 04:32 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 05/23/25 14:59 | 05/28/25 04:32 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 05/23/25 14:59 | 05/28/25 04:32 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *71* | | *70 - 130* | *05/23/25 14:59* | *05/28/25 04:32* | *1* |
| *o-Terphenyl* | *72* | | *70 - 130* | *05/23/25 14:59* | *05/28/25 04:32* | *1* |

**Lab Sample ID: LCS 880-110866/2-A**
**Matrix: Solid**
**Analysis Batch: 111033**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 110866**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1031 | | mg/Kg | | 103 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1172 | | mg/Kg | | 117 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *98* | | *70 - 130* |
| *o-Terphenyl* | *108* | | *70 - 130* |

**Lab Sample ID: LCSD 880-110866/3-A**
**Matrix: Solid**
**Analysis Batch: 111033**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 110866**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1148 | | mg/Kg | | 115 | 70 - 130 | 11 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1292 | | mg/Kg | | 129 | 70 - 130 | 10 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *107* | | *70 - 130* |
| *o-Terphenyl* | *122* | | *70 - 130* |

**Lab Sample ID: 880-58514-4 MS**
**Matrix: Solid**
**Analysis Batch: 111033**

**Client Sample ID: TH-2 (4')**
**Prep Type: Total/NA**
**Prep Batch: 110866**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1 | U F1 | 999 | 673.7 | F1 | mg/Kg | | 67 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U F1 | 999 | 661.1 | F1 | mg/Kg | | 66 | 70 - 130 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: 880-58514-4 MS**
**Matrix: Solid**
**Analysis Batch: 111033**

**Client Sample ID: TH-2 (4')**
**Prep Type: Total/NA**
**Prep Batch: 110866**

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 81 | | 70 - 130 |
| o-Terphenyl | 71 | | 70 - 130 |

**Lab Sample ID: 880-58514-4 MSD**
**Matrix: Solid**
**Analysis Batch: 111033**

**Client Sample ID: TH-2 (4')**
**Prep Type: Total/NA**
**Prep Batch: 110866**

| 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 | <50.1 | U F1 | 999 | 764.8 | | mg/Kg | | 77 | 70 - 130 | 13 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U F1 | 999 | 756.5 | | mg/Kg | | 76 | 70 - 130 | 13 | 20 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 94 | | 70 - 130 |
| o-Terphenyl | 78 | | 70 - 130 |

**Lab Sample ID: MB 880-110903/1-A**
**Matrix: Solid**
**Analysis Batch: 111082**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 110903**

| 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 | | 05/23/25 17:04 | 05/28/25 16:32 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 05/23/25 17:04 | 05/28/25 16:32 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 05/23/25 17:04 | 05/28/25 16:32 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane | 102 | | 70 - 130 | 05/23/25 17:04 | 05/28/25 16:32 | 1 |
| o-Terphenyl | 107 | | 70 - 130 | 05/23/25 17:04 | 05/28/25 16:32 | 1 |

**Lab Sample ID: LCS 880-110903/2-A**
**Matrix: Solid**
**Analysis Batch: 111082**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 110903**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1154 | | mg/Kg | | 115 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1096 | | mg/Kg | | 110 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 75 | | 70 - 130 |
| o-Terphenyl | 75 | | 70 - 130 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: LCSD 880-110903/3-A**
**Matrix: Solid**
**Analysis Batch: 111082**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 110903**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 915.0 | *1 | mg/Kg | | 92 | 70 - 130 | 23 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 877.3 | *1 | mg/Kg | | 88 | 70 - 130 | 22 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *116* | | *70 - 130* |
| *o-Terphenyl* | *116* | | *70 - 130* |

**Lab Sample ID: 880-58514-23 MS**
**Matrix: Solid**
**Analysis Batch: 111082**

**Client Sample ID: TH-12 (1')**
**Prep Type: Total/NA**
**Prep Batch: 110903**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | <50.1 | U *1 | 999 | 720.8 | | mg/Kg | | 72 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U *1 F1 | 999 | 670.4 | F1 | mg/Kg | | 67 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *132* | *S1+* | *70 - 130* |
| *o-Terphenyl* | *127* | | *70 - 130* |

**Lab Sample ID: 880-58514-23 MSD**
**Matrix: Solid**
**Analysis Batch: 111082**

**Client Sample ID: TH-12 (1')**
**Prep Type: Total/NA**
**Prep Batch: 110903**

| 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 | <50.1 | U *1 | 999 | 713.0 | | mg/Kg | | 71 | 70 - 130 | 1 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.1 | U *1 F1 | 999 | 659.5 | F1 | mg/Kg | | 66 | 70 - 130 | 2 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *131* | *S1+* | *70 - 130* |
| *o-Terphenyl* | *126* | | *70 - 130* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-110921/1-A**
**Matrix: Solid**
**Analysis Batch: 110952**

**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 | | mg/Kg | | | 05/27/25 11:43 | 1 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: LCS 880-110921/2-A**
**Matrix: Solid**
**Analysis Batch: 110952**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 264.1 | | mg/Kg | | 106 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-110921/3-A**
**Matrix: Solid**
**Analysis Batch: 110952**

**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 | 264.7 | | mg/Kg | | 106 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 880-58514-2 MS**
**Matrix: Solid**
**Analysis Batch: 110952**

**Client Sample ID: TH-1 (4')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 57.3 | F1 | 253 | 338.7 | F1 | mg/Kg | | 111 | 90 - 110 | | |

**Lab Sample ID: 880-58514-2 MSD**
**Matrix: Solid**
**Analysis Batch: 110952**

**Client Sample ID: TH-1 (4')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 57.3 | F1 | 253 | 339.7 | F1 | mg/Kg | | 112 | 90 - 110 | 0 | 20 |

**Lab Sample ID: MB 880-110922/1-A**
**Matrix: Solid**
**Analysis Batch: 110955**

**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 | | mg/Kg | | | 05/27/25 21:04 | 1 |

**Lab Sample ID: LCS 880-110922/2-A**
**Matrix: Solid**
**Analysis Batch: 110955**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 274.3 | | mg/Kg | | 110 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-110922/3-A**
**Matrix: Solid**
**Analysis Batch: 110955**

**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 | 274.3 | | mg/Kg | | 110 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 880-58514-12 MS**
**Matrix: Solid**
**Analysis Batch: 110955**

**Client Sample ID: TH-6 (4')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 114 | | 248 | 382.5 | | mg/Kg | | 108 | 90 - 110 | | |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: 880-58514-12 MSD**
**Matrix: Solid**
**Analysis Batch: 110955**

**Client Sample ID: TH-6 (4')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 114 | | 248 | 383.7 | | mg/Kg | | 109 | 90 - 110 | 0 | 20 |

**Lab Sample ID: 880-58514-22 MS**
**Matrix: Solid**
**Analysis Batch: 110955**

**Client Sample ID: TH-11 (4')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 113 | | 249 | 359.3 | | mg/Kg | | 99 | 90 - 110 |

**Lab Sample ID: 880-58514-22 MSD**
**Matrix: Solid**
**Analysis Batch: 110955**

**Client Sample ID: TH-11 (4')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 113 | | 249 | 354.9 | | mg/Kg | | 97 | 90 - 110 | 1 | 20 |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## GC VOA

### Prep Batch: 110716

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-110716/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Analysis Batch: 110787

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-1 | TH-1 (1') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-2 | TH-1 (4') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-3 | TH-2 (1') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-4 | TH-2 (4') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-5 | TH-3 (1') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-6 | TH-3 (4') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-7 | TH-4 (1') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-8 | TH-4 (4') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-9 | TH-5 (1') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-10 | TH-5 (4') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-11 | TH-6 (1') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-12 | TH-6 (4') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-13 | TH-7 (1') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-14 | TH-7 (4') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-15 | TH-8 (1') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-16 | TH-8 (4') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-17 | TH-9 (1') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-18 | TH-9 (4') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-19 | TH-10 (1') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-20 | TH-10 (4') | Total/NA | Solid | 8021B | 110863 |
| MB 880-110817/5-A | Method Blank | Total/NA | Solid | 8021B | 110817 |
| MB 880-110863/5-A | Method Blank | Total/NA | Solid | 8021B | 110863 |
| LCS 880-110863/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 110863 |
| LCSD 880-110863/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 110863 |
| 880-58514-1 MS | TH-1 (1') | Total/NA | Solid | 8021B | 110863 |
| 880-58514-1 MSD | TH-1 (1') | Total/NA | Solid | 8021B | 110863 |

### Analysis Batch: 110788

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-21 | TH-11 (1') | Total/NA | Solid | 8021B | 110861 |
| MB 880-110716/5-A | Method Blank | Total/NA | Solid | 8021B | 110716 |
| MB 880-110861/5-A | Method Blank | Total/NA | Solid | 8021B | 110861 |
| LCS 880-110861/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 110861 |
| LCSD 880-110861/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 110861 |

### Analysis Batch: 110791

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-22 | TH-11 (4') | Total/NA | Solid | 8021B | 110857 |
| 880-58514-23 | TH-12 (1') | Total/NA | Solid | 8021B | 110857 |
| 880-58514-24 | TH-12 (4') | Total/NA | Solid | 8021B | 110857 |
| 880-58514-25 | TH-13 (1') | Total/NA | Solid | 8021B | 110857 |
| 880-58514-26 | TH-13 (4') | Total/NA | Solid | 8021B | 110857 |
| MB 880-110857/5-A | Method Blank | Total/NA | Solid | 8021B | 110857 |
| LCS 880-110857/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 110857 |
| LCSD 880-110857/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 110857 |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## GC VOA

### Prep Batch: 110817

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-110817/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Prep Batch: 110857

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-22 | TH-11 (4') | Total/NA | Solid | 5035 | |
| 880-58514-23 | TH-12 (1') | Total/NA | Solid | 5035 | |
| 880-58514-24 | TH-12 (4') | Total/NA | Solid | 5035 | |
| 880-58514-25 | TH-13 (1') | Total/NA | Solid | 5035 | |
| 880-58514-26 | TH-13 (4') | Total/NA | Solid | 5035 | |
| MB 880-110857/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-110857/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-110857/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

### Prep Batch: 110861

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-21 | TH-11 (1') | Total/NA | Solid | 5035 | |
| MB 880-110861/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-110861/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-110861/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

### Prep Batch: 110863

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-1 | TH-1 (1') | Total/NA | Solid | 5035 | |
| 880-58514-2 | TH-1 (4') | Total/NA | Solid | 5035 | |
| 880-58514-3 | TH-2 (1') | Total/NA | Solid | 5035 | |
| 880-58514-4 | TH-2 (4') | Total/NA | Solid | 5035 | |
| 880-58514-5 | TH-3 (1') | Total/NA | Solid | 5035 | |
| 880-58514-6 | TH-3 (4') | Total/NA | Solid | 5035 | |
| 880-58514-7 | TH-4 (1') | Total/NA | Solid | 5035 | |
| 880-58514-8 | TH-4 (4') | Total/NA | Solid | 5035 | |
| 880-58514-9 | TH-5 (1') | Total/NA | Solid | 5035 | |
| 880-58514-10 | TH-5 (4') | Total/NA | Solid | 5035 | |
| 880-58514-11 | TH-6 (1') | Total/NA | Solid | 5035 | |
| 880-58514-12 | TH-6 (4') | Total/NA | Solid | 5035 | |
| 880-58514-13 | TH-7 (1') | Total/NA | Solid | 5035 | |
| 880-58514-14 | TH-7 (4') | Total/NA | Solid | 5035 | |
| 880-58514-15 | TH-8 (1') | Total/NA | Solid | 5035 | |
| 880-58514-16 | TH-8 (4') | Total/NA | Solid | 5035 | |
| 880-58514-17 | TH-9 (1') | Total/NA | Solid | 5035 | |
| 880-58514-18 | TH-9 (4') | Total/NA | Solid | 5035 | |
| 880-58514-19 | TH-10 (1') | Total/NA | Solid | 5035 | |
| 880-58514-20 | TH-10 (4') | Total/NA | Solid | 5035 | |
| MB 880-110863/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-110863/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-110863/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-58514-1 MS | TH-1 (1') | Total/NA | Solid | 5035 | |
| 880-58514-1 MSD | TH-1 (1') | Total/NA | Solid | 5035 | |

### Analysis Batch: 110994

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-1 | TH-1 (1') | Total/NA | Solid | Total BTEX | |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## GC VOA (Continued)

### Analysis Batch: 110994 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-2 | TH-1 (4') | Total/NA | Solid | Total BTEX | |
| 880-58514-3 | TH-2 (1') | Total/NA | Solid | Total BTEX | |
| 880-58514-4 | TH-2 (4') | Total/NA | Solid | Total BTEX | |
| 880-58514-5 | TH-3 (1') | Total/NA | Solid | Total BTEX | |
| 880-58514-6 | TH-3 (4') | Total/NA | Solid | Total BTEX | |
| 880-58514-7 | TH-4 (1') | Total/NA | Solid | Total BTEX | |
| 880-58514-8 | TH-4 (4') | Total/NA | Solid | Total BTEX | |
| 880-58514-9 | TH-5 (1') | Total/NA | Solid | Total BTEX | |
| 880-58514-10 | TH-5 (4') | Total/NA | Solid | Total BTEX | |
| 880-58514-11 | TH-6 (1') | Total/NA | Solid | Total BTEX | |
| 880-58514-12 | TH-6 (4') | Total/NA | Solid | Total BTEX | |
| 880-58514-13 | TH-7 (1') | Total/NA | Solid | Total BTEX | |
| 880-58514-14 | TH-7 (4') | Total/NA | Solid | Total BTEX | |
| 880-58514-15 | TH-8 (1') | Total/NA | Solid | Total BTEX | |
| 880-58514-16 | TH-8 (4') | Total/NA | Solid | Total BTEX | |
| 880-58514-17 | TH-9 (1') | Total/NA | Solid | Total BTEX | |
| 880-58514-18 | TH-9 (4') | Total/NA | Solid | Total BTEX | |
| 880-58514-19 | TH-10 (1') | Total/NA | Solid | Total BTEX | |
| 880-58514-20 | TH-10 (4') | Total/NA | Solid | Total BTEX | |
| 880-58514-21 | TH-11 (1') | Total/NA | Solid | Total BTEX | |
| 880-58514-22 | TH-11 (4') | Total/NA | Solid | Total BTEX | |
| 880-58514-23 | TH-12 (1') | Total/NA | Solid | Total BTEX | |
| 880-58514-24 | TH-12 (4') | Total/NA | Solid | Total BTEX | |
| 880-58514-25 | TH-13 (1') | Total/NA | Solid | Total BTEX | |
| 880-58514-26 | TH-13 (4') | Total/NA | Solid | Total BTEX | |

## GC Semi VOA

### Prep Batch: 110849

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-1 | TH-1 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-2 | TH-1 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-3 | TH-2 (1') | Total/NA | Solid | 8015NM Prep | |
| MB 880-110849/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-110849/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-110849/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |

### Prep Batch: 110866

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-4 | TH-2 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-5 | TH-3 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-6 | TH-3 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-7 | TH-4 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-8 | TH-4 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-9 | TH-5 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-10 | TH-5 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-11 | TH-6 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-12 | TH-6 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-13 | TH-7 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-14 | TH-7 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-15 | TH-8 (1') | Total/NA | Solid | 8015NM Prep | |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## GC Semi VOA (Continued)

### Prep Batch: 110866 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-16 | TH-8 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-17 | TH-9 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-18 | TH-9 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-19 | TH-10 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-20 | TH-10 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-21 | TH-11 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-22 | TH-11 (4') | Total/NA | Solid | 8015NM Prep | |
| MB 880-110866/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-110866/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-110866/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-58514-4 MS | TH-2 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-4 MSD | TH-2 (4') | Total/NA | Solid | 8015NM Prep | |

### Prep Batch: 110903

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-23 | TH-12 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-24 | TH-12 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-25 | TH-13 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-26 | TH-13 (4') | Total/NA | Solid | 8015NM Prep | |
| MB 880-110903/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-110903/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-110903/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-58514-23 MS | TH-12 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-58514-23 MSD | TH-12 (1') | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 111033

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-4 | TH-2 (4') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-5 | TH-3 (1') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-6 | TH-3 (4') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-7 | TH-4 (1') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-8 | TH-4 (4') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-9 | TH-5 (1') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-10 | TH-5 (4') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-11 | TH-6 (1') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-12 | TH-6 (4') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-13 | TH-7 (1') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-14 | TH-7 (4') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-15 | TH-8 (1') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-16 | TH-8 (4') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-17 | TH-9 (1') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-18 | TH-9 (4') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-19 | TH-10 (1') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-20 | TH-10 (4') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-21 | TH-11 (1') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-22 | TH-11 (4') | Total/NA | Solid | 8015B NM | 110866 |
| MB 880-110866/1-A | Method Blank | Total/NA | Solid | 8015B NM | 110866 |
| LCS 880-110866/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 110866 |
| LCSD 880-110866/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-4 MS | TH-2 (4') | Total/NA | Solid | 8015B NM | 110866 |
| 880-58514-4 MSD | TH-2 (4') | Total/NA | Solid | 8015B NM | 110866 |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## GC Semi VOA

### Analysis Batch: 111035

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-1 | TH-1 (1') | Total/NA | Solid | 8015B NM | 110849 |
| 880-58514-2 | TH-1 (4') | Total/NA | Solid | 8015B NM | 110849 |
| 880-58514-3 | TH-2 (1') | Total/NA | Solid | 8015B NM | 110849 |
| MB 880-110849/1-A | Method Blank | Total/NA | Solid | 8015B NM | 110849 |
| LCS 880-110849/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 110849 |
| LCSD 880-110849/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 110849 |

### Analysis Batch: 111080

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-1 | TH-1 (1') | Total/NA | Solid | 8015 NM | |
| 880-58514-2 | TH-1 (4') | Total/NA | Solid | 8015 NM | |
| 880-58514-3 | TH-2 (1') | Total/NA | Solid | 8015 NM | |
| 880-58514-4 | TH-2 (4') | Total/NA | Solid | 8015 NM | |
| 880-58514-5 | TH-3 (1') | Total/NA | Solid | 8015 NM | |
| 880-58514-6 | TH-3 (4') | Total/NA | Solid | 8015 NM | |
| 880-58514-7 | TH-4 (1') | Total/NA | Solid | 8015 NM | |
| 880-58514-8 | TH-4 (4') | Total/NA | Solid | 8015 NM | |
| 880-58514-9 | TH-5 (1') | Total/NA | Solid | 8015 NM | |
| 880-58514-10 | TH-5 (4') | Total/NA | Solid | 8015 NM | |
| 880-58514-11 | TH-6 (1') | Total/NA | Solid | 8015 NM | |
| 880-58514-12 | TH-6 (4') | Total/NA | Solid | 8015 NM | |
| 880-58514-13 | TH-7 (1') | Total/NA | Solid | 8015 NM | |
| 880-58514-14 | TH-7 (4') | Total/NA | Solid | 8015 NM | |
| 880-58514-15 | TH-8 (1') | Total/NA | Solid | 8015 NM | |
| 880-58514-16 | TH-8 (4') | Total/NA | Solid | 8015 NM | |
| 880-58514-17 | TH-9 (1') | Total/NA | Solid | 8015 NM | |
| 880-58514-18 | TH-9 (4') | Total/NA | Solid | 8015 NM | |
| 880-58514-19 | TH-10 (1') | Total/NA | Solid | 8015 NM | |
| 880-58514-20 | TH-10 (4') | Total/NA | Solid | 8015 NM | |
| 880-58514-21 | TH-11 (1') | Total/NA | Solid | 8015 NM | |
| 880-58514-22 | TH-11 (4') | Total/NA | Solid | 8015 NM | |
| 880-58514-23 | TH-12 (1') | Total/NA | Solid | 8015 NM | |
| 880-58514-24 | TH-12 (4') | Total/NA | Solid | 8015 NM | |
| 880-58514-25 | TH-13 (1') | Total/NA | Solid | 8015 NM | |
| 880-58514-26 | TH-13 (4') | Total/NA | Solid | 8015 NM | |

### Analysis Batch: 111082

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-23 | TH-12 (1') | Total/NA | Solid | 8015B NM | 110903 |
| 880-58514-24 | TH-12 (4') | Total/NA | Solid | 8015B NM | 110903 |
| 880-58514-25 | TH-13 (1') | Total/NA | Solid | 8015B NM | 110903 |
| 880-58514-26 | TH-13 (4') | Total/NA | Solid | 8015B NM | 110903 |
| MB 880-110903/1-A | Method Blank | Total/NA | Solid | 8015B NM | 110903 |
| LCS 880-110903/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 110903 |
| LCSD 880-110903/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 110903 |
| 880-58514-23 MS | TH-12 (1') | Total/NA | Solid | 8015B NM | 110903 |
| 880-58514-23 MSD | TH-12 (1') | Total/NA | Solid | 8015B NM | 110903 |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## HPLC/IC

### Leach Batch: 110921

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-1 | TH-1 (1') | Soluble | Solid | DI Leach | |
| 880-58514-2 | TH-1 (4') | Soluble | Solid | DI Leach | |
| 880-58514-3 | TH-2 (1') | Soluble | Solid | DI Leach | |
| 880-58514-4 | TH-2 (4') | Soluble | Solid | DI Leach | |
| 880-58514-5 | TH-3 (1') | Soluble | Solid | DI Leach | |
| 880-58514-6 | TH-3 (4') | Soluble | Solid | DI Leach | |
| 880-58514-7 | TH-4 (1') | Soluble | Solid | DI Leach | |
| 880-58514-8 | TH-4 (4') | Soluble | Solid | DI Leach | |
| 880-58514-9 | TH-5 (1') | Soluble | Solid | DI Leach | |
| 880-58514-10 | TH-5 (4') | Soluble | Solid | DI Leach | |
| 880-58514-11 | TH-6 (1') | Soluble | Solid | DI Leach | |
| MB 880-110921/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-110921/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-110921/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-58514-2 MS | TH-1 (4') | Soluble | Solid | DI Leach | |
| 880-58514-2 MSD | TH-1 (4') | Soluble | Solid | DI Leach | |

### Leach Batch: 110922

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-12 | TH-6 (4') | Soluble | Solid | DI Leach | |
| 880-58514-13 | TH-7 (1') | Soluble | Solid | DI Leach | |
| 880-58514-14 | TH-7 (4') | Soluble | Solid | DI Leach | |
| 880-58514-15 | TH-8 (1') | Soluble | Solid | DI Leach | |
| 880-58514-16 | TH-8 (4') | Soluble | Solid | DI Leach | |
| 880-58514-17 | TH-9 (1') | Soluble | Solid | DI Leach | |
| 880-58514-18 | TH-9 (4') | Soluble | Solid | DI Leach | |
| 880-58514-19 | TH-10 (1') | Soluble | Solid | DI Leach | |
| 880-58514-20 | TH-10 (4') | Soluble | Solid | DI Leach | |
| 880-58514-21 | TH-11 (1') | Soluble | Solid | DI Leach | |
| 880-58514-22 | TH-11 (4') | Soluble | Solid | DI Leach | |
| 880-58514-23 | TH-12 (1') | Soluble | Solid | DI Leach | |
| 880-58514-24 | TH-12 (4') | Soluble | Solid | DI Leach | |
| 880-58514-25 | TH-13 (1') | Soluble | Solid | DI Leach | |
| 880-58514-26 | TH-13 (4') | Soluble | Solid | DI Leach | |
| MB 880-110922/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-110922/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-110922/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-58514-12 MS | TH-6 (4') | Soluble | Solid | DI Leach | |
| 880-58514-12 MSD | TH-6 (4') | Soluble | Solid | DI Leach | |
| 880-58514-22 MS | TH-11 (4') | Soluble | Solid | DI Leach | |
| 880-58514-22 MSD | TH-11 (4') | Soluble | Solid | DI Leach | |

### Analysis Batch: 110952

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-1 | TH-1 (1') | Soluble | Solid | 300.0 | 110921 |
| 880-58514-2 | TH-1 (4') | Soluble | Solid | 300.0 | 110921 |
| 880-58514-3 | TH-2 (1') | Soluble | Solid | 300.0 | 110921 |
| 880-58514-4 | TH-2 (4') | Soluble | Solid | 300.0 | 110921 |
| 880-58514-5 | TH-3 (1') | Soluble | Solid | 300.0 | 110921 |
| 880-58514-6 | TH-3 (4') | Soluble | Solid | 300.0 | 110921 |
| 880-58514-7 | TH-4 (1') | Soluble | Solid | 300.0 | 110921 |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## HPLC/IC (Continued)

### Analysis Batch: 110952 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-8 | TH-4 (4') | Soluble | Solid | 300.0 | 110921 |
| 880-58514-9 | TH-5 (1') | Soluble | Solid | 300.0 | 110921 |
| 880-58514-10 | TH-5 (4') | Soluble | Solid | 300.0 | 110921 |
| 880-58514-11 | TH-6 (1') | Soluble | Solid | 300.0 | 110921 |
| MB 880-110921/1-A | Method Blank | Soluble | Solid | 300.0 | 110921 |
| LCS 880-110921/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 110921 |
| LCSD 880-110921/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 110921 |
| 880-58514-2 MS | TH-1 (4') | Soluble | Solid | 300.0 | 110921 |
| 880-58514-2 MSD | TH-1 (4') | Soluble | Solid | 300.0 | 110921 |

### Analysis Batch: 110955

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-58514-12 | TH-6 (4') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-13 | TH-7 (1') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-14 | TH-7 (4') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-15 | TH-8 (1') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-16 | TH-8 (4') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-17 | TH-9 (1') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-18 | TH-9 (4') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-19 | TH-10 (1') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-20 | TH-10 (4') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-21 | TH-11 (1') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-22 | TH-11 (4') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-23 | TH-12 (1') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-24 | TH-12 (4') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-25 | TH-13 (1') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-26 | TH-13 (4') | Soluble | Solid | 300.0 | 110922 |
| MB 880-110922/1-A | Method Blank | Soluble | Solid | 300.0 | 110922 |
| LCS 880-110922/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 110922 |
| LCSD 880-110922/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 110922 |
| 880-58514-12 MS | TH-6 (4') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-12 MSD | TH-6 (4') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-22 MS | TH-11 (4') | Soluble | Solid | 300.0 | 110922 |
| 880-58514-22 MSD | TH-11 (4') | Soluble | Solid | 300.0 | 110922 |

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-1 (1')
**Date Collected: 05/21/25 10:30**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-1
**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 | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/23/25 23:47 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/23/25 23:47 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 15:54 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 110849 | 05/23/25 10:59 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111035 | 05/28/25 15:54 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 110921 | 05/27/25 08:05 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110952 | 05/27/25 13:40 | CH | EET MID |

## Client Sample ID: TH-1 (4')
**Date Collected: 05/21/25 10:35**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-2
**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 | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 00:07 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 00:07 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 16:10 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 110849 | 05/23/25 10:59 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111035 | 05/28/25 16:10 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 110921 | 05/27/25 08:05 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110952 | 05/27/25 13:47 | CH | EET MID |

## Client Sample ID: TH-2 (1')
**Date Collected: 05/21/25 10:40**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-3
**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 | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 00:28 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 00:28 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 16:25 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.98 g | 10 mL | 110849 | 05/23/25 10:59 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111035 | 05/28/25 16:25 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 110921 | 05/27/25 08:05 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110952 | 05/27/25 14:09 | CH | EET MID |

## Client Sample ID: TH-2 (4')
**Date Collected: 05/21/25 10:45**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-4
**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 | | | 5.03 g | 5 mL | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 00:48 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 00:48 | SM | EET MID |

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-2 (4')
**Date Collected: 05/21/25 10:45**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-4
**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 | | | 111080 | 05/28/25 10:30 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.99 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 10:30 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 110921 | 05/27/25 08:05 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110952 | 05/27/25 14:16 | CH | EET MID |

## Client Sample ID: TH-3 (1')
**Date Collected: 05/21/25 10:50**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-5
**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 | | | 5.04 g | 5 mL | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 01:09 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 01:09 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 11:19 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.98 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 11:19 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 110921 | 05/27/25 08:05 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110952 | 05/27/25 14:38 | CH | EET MID |

## Client Sample ID: TH-3 (4')
**Date Collected: 05/21/25 10:55**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-6
**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 | | | 5.05 g | 5 mL | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 01:29 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 01:29 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 11:36 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 11:36 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 110921 | 05/27/25 08:05 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110952 | 05/27/25 14:46 | CH | EET MID |

## Client Sample ID: TH-4 (1')
**Date Collected: 05/21/25 11:00**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-7
**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 | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 01:50 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 01:50 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 11:52 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 11:52 | TKC | EET MID |

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-4 (1')
**Date Collected: 05/21/25 11:00**
**Date Received: 05/23/25 13:02**

**Lab Sample ID: 880-58514-7**
**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 | 110921 | 05/27/25 08:05 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110952 | 05/27/25 14:53 | CH | EET MID |

## Client Sample ID: TH-4 (4')
**Date Collected: 05/21/25 11:05**
**Date Received: 05/23/25 13:02**

**Lab Sample ID: 880-58514-8**
**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 | | | 4.95 g | 5 mL | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 02:10 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 02:10 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 12:08 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.06 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 12:08 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 110921 | 05/27/25 08:05 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110952 | 05/27/25 15:00 | CH | EET MID |

## Client Sample ID: TH-5 (1')
**Date Collected: 05/21/25 11:10**
**Date Received: 05/23/25 13:02**

**Lab Sample ID: 880-58514-9**
**Matrix: Solid**

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 5035 | | | 4.95 g | 5 mL | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 02:30 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 02:30 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 12:24 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.99 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 12:24 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 110921 | 05/27/25 08:05 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110952 | 05/27/25 15:07 | CH | EET MID |

## Client Sample ID: TH-5 (4')
**Date Collected: 05/21/25 11:15**
**Date Received: 05/23/25 13:02**

**Lab Sample ID: 880-58514-10**
**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 | | | 5.03 g | 5 mL | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 02:51 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 02:51 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 12:39 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 12:39 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 110921 | 05/27/25 08:05 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110952 | 05/27/25 15:15 | CH | EET MID |

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-6 (1')
**Date Collected: 05/21/25 11:20**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-11
**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 | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 04:25 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 04:25 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 12:57 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.07 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 12:57 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 110921 | 05/27/25 08:05 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110952 | 05/27/25 15:22 | CH | EET MID |

## Client Sample ID: TH-6 (4')
**Date Collected: 05/21/25 11:35**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-12
**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 | | | 5.04 g | 5 mL | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 04:46 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 04:46 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 13:13 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 13:13 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 110922 | 05/27/25 08:08 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110955 | 05/27/25 21:26 | CH | EET MID |

## Client Sample ID: TH-7 (1')
**Date Collected: 05/21/25 11:30**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-13
**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 | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 05:06 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 05:06 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 13:29 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.98 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 13:29 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 110922 | 05/27/25 08:08 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110955 | 05/27/25 21:48 | CH | EET MID |

## Client Sample ID: TH-7 (4')
**Date Collected: 05/21/25 11:35**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-14
**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 | | | 4.96 g | 5 mL | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 05:27 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 05:27 | SM | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-7 (4')
**Date Collected: 05/21/25 11:35**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-14
**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 | | | 111080 | 05/28/25 14:01 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.95 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 14:01 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 110922 | 05/27/25 08:08 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110955 | 05/27/25 21:55 | CH | EET MID |

## Client Sample ID: TH-8 (1')
**Date Collected: 05/21/25 11:40**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-15
**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 | | | 5.02 g | 5 mL | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 05:47 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 05:47 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 14:18 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 14:18 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 110922 | 05/27/25 08:08 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110955 | 05/27/25 22:02 | CH | EET MID |

## Client Sample ID: TH-8 (4')
**Date Collected: 05/21/25 11:45**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-16
**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 | | | 5.00 g | 5 mL | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 06:08 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 06:08 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 14:33 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.06 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 14:33 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.00 g | 50 mL | 110922 | 05/27/25 08:08 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110955 | 05/27/25 22:10 | CH | EET MID |

## Client Sample ID: TH-9 (1')
**Date Collected: 05/21/25 11:50**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-17
**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 | | | 4.98 g | 5 mL | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 06:28 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 06:28 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 14:49 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 14:49 | TKC | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-9 (1')
**Date Collected: 05/21/25 11:50**
**Date Received: 05/23/25 13:02**

**Lab Sample ID: 880-58514-17**
**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 | 110922 | 05/27/25 08:08 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110955 | 05/27/25 22:32 | CH | EET MID |

## Client Sample ID: TH-9 (4')
**Date Collected: 05/21/25 11:55**
**Date Received: 05/23/25 13:02**

**Lab Sample ID: 880-58514-18**
**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 | | | 5.03 g | 5 mL | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 06:49 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 06:49 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 15:06 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 15:06 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 110922 | 05/27/25 08:08 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110955 | 05/27/25 22:39 | CH | EET MID |

## Client Sample ID: TH-10 (1')
**Date Collected: 05/21/25 12:00**
**Date Received: 05/23/25 13:02**

**Lab Sample ID: 880-58514-19**
**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 | | | 5.04 g | 5 mL | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 07:09 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 07:09 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 15:22 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 15:22 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 110922 | 05/27/25 08:08 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110955 | 05/27/25 22:46 | CH | EET MID |

## Client Sample ID: TH-10 (4')
**Date Collected: 05/21/25 12:05**
**Date Received: 05/23/25 13:02**

**Lab Sample ID: 880-58514-20**
**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 | | | 4.95 g | 5 mL | 110863 | 05/23/25 14:38 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110787 | 05/24/25 07:30 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 07:30 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 15:38 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.98 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 15:38 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 110922 | 05/27/25 08:08 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110955 | 05/27/25 22:54 | CH | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-11 (1')
**Date Collected: 05/21/25 12:10**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-21
**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 | | | 5.01 g | 5 mL | 110861 | 05/23/25 14:25 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110788 | 05/24/25 07:06 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/24/25 07:06 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 15:54 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 15:54 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 110922 | 05/27/25 08:08 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110955 | 05/27/25 23:01 | CH | EET MID |

## Client Sample ID: TH-11 (4')
**Date Collected: 05/21/25 12:15**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-22
**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 | 110857 | 05/23/25 14:15 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110791 | 05/23/25 19:41 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/23/25 19:41 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 16:10 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10 mL | 110866 | 05/23/25 15:00 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111033 | 05/28/25 16:10 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 110922 | 05/27/25 08:08 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110955 | 05/27/25 23:08 | CH | EET MID |

## Client Sample ID: TH-12 (1')
**Date Collected: 05/21/25 12:20**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-23
**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 | 110857 | 05/23/25 14:15 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110791 | 05/23/25 20:02 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/23/25 20:02 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 18:24 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.99 g | 10 mL | 110903 | 05/23/25 17:04 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111082 | 05/28/25 18:24 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 110922 | 05/27/25 08:08 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110955 | 05/27/25 23:30 | CH | EET MID |

## Client Sample ID: TH-12 (4')
**Date Collected: 05/21/25 12:25**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-24
**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 | 110857 | 05/23/25 14:15 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110791 | 05/23/25 20:22 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/23/25 20:22 | SM | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

## Client Sample ID: TH-12 (4')
**Date Collected: 05/21/25 12:25**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-24
**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 | | | 111080 | 05/28/25 19:10 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.98 g | 10 mL | 110903 | 05/23/25 17:04 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111082 | 05/28/25 19:10 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 110922 | 05/27/25 08:08 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110955 | 05/27/25 23:38 | CH | EET MID |

## Client Sample ID: TH-13 (1')
**Date Collected: 05/21/25 12:30**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-25
**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 | 110857 | 05/23/25 14:15 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110791 | 05/23/25 20:43 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/23/25 20:43 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 19:25 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 9.95 g | 10 mL | 110903 | 05/23/25 17:04 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111082 | 05/28/25 19:25 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 110922 | 05/27/25 08:08 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110955 | 05/28/25 00:00 | CH | EET MID |

## Client Sample ID: TH-13 (4')
**Date Collected: 05/21/25 12:35**
**Date Received: 05/23/25 13:02**

## Lab Sample ID: 880-58514-26
**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 | 110857 | 05/23/25 14:15 | EL | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 110791 | 05/23/25 21:03 | EL | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 110994 | 05/23/25 21:03 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 111080 | 05/28/25 19:40 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 110903 | 05/23/25 17:04 | FC | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 111082 | 05/28/25 19:40 | TKC | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 110922 | 05/27/25 08:08 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 110955 | 05/28/25 00:07 | CH | EET MID |

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

# Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., 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: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., 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: Crain Environmental
Project/Site: Lamunyon 561 CTB

Job ID: 880-58514-1
SDG: Lea Co., NM

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---|---|---|---|---|---|
| 880-58514-1 | TH-1 (1') | Solid | 05/21/25 10:30 | 05/23/25 13:02 | 1' |
| 880-58514-2 | TH-1 (4') | Solid | 05/21/25 10:35 | 05/23/25 13:02 | 4' |
| 880-58514-3 | TH-2 (1') | Solid | 05/21/25 10:40 | 05/23/25 13:02 | 1' |
| 880-58514-4 | TH-2 (4') | Solid | 05/21/25 10:45 | 05/23/25 13:02 | 4' |
| 880-58514-5 | TH-3 (1') | Solid | 05/21/25 10:50 | 05/23/25 13:02 | 1' |
| 880-58514-6 | TH-3 (4') | Solid | 05/21/25 10:55 | 05/23/25 13:02 | 4' |
| 880-58514-7 | TH-4 (1') | Solid | 05/21/25 11:00 | 05/23/25 13:02 | 1' |
| 880-58514-8 | TH-4 (4') | Solid | 05/21/25 11:05 | 05/23/25 13:02 | 4' |
| 880-58514-9 | TH-5 (1') | Solid | 05/21/25 11:10 | 05/23/25 13:02 | 1' |
| 880-58514-10 | TH-5 (4') | Solid | 05/21/25 11:15 | 05/23/25 13:02 | 4' |
| 880-58514-11 | TH-6 (1') | Solid | 05/21/25 11:20 | 05/23/25 13:02 | 1' |
| 880-58514-12 | TH-6 (4') | Solid | 05/21/25 11:35 | 05/23/25 13:02 | 4' |
| 880-58514-13 | TH-7 (1') | Solid | 05/21/25 11:30 | 05/23/25 13:02 | 1' |
| 880-58514-14 | TH-7 (4') | Solid | 05/21/25 11:35 | 05/23/25 13:02 | 4' |
| 880-58514-15 | TH-8 (1') | Solid | 05/21/25 11:40 | 05/23/25 13:02 | 1' |
| 880-58514-16 | TH-8 (4') | Solid | 05/21/25 11:45 | 05/23/25 13:02 | 4' |
| 880-58514-17 | TH-9 (1') | Solid | 05/21/25 11:50 | 05/23/25 13:02 | 1' |
| 880-58514-18 | TH-9 (4') | Solid | 05/21/25 11:55 | 05/23/25 13:02 | 4' |
| 880-58514-19 | TH-10 (1') | Solid | 05/21/25 12:00 | 05/23/25 13:02 | 1' |
| 880-58514-20 | TH-10 (4') | Solid | 05/21/25 12:05 | 05/23/25 13:02 | 4' |
| 880-58514-21 | TH-11 (1') | Solid | 05/21/25 12:10 | 05/23/25 13:02 | 1' |
| 880-58514-22 | TH-11 (4') | Solid | 05/21/25 12:15 | 05/23/25 13:02 | 4' |
| 880-58514-23 | TH-12 (1') | Solid | 05/21/25 12:20 | 05/23/25 13:02 | 1' |
| 880-58514-24 | TH-12 (4') | Solid | 05/21/25 12:25 | 05/23/25 13:02 | 4' |
| 880-58514-25 | TH-13 (1') | Solid | 05/21/25 12:30 | 05/23/25 13:02 | 1' |
| 880-58514-26 | TH-13 (4') | Solid | 05/21/25 12:35 | 05/23/25 13:02 | 4' |

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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) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

W

880-58514 Chain of Custody

www.xenco.com Page 1 of 3

| | | | |
|---|---|---|---|
| Project Manager: | Cindy Crain | Bill to: (if different) | Billy Moore |
| Company Name: | Crain Environmental | Company Name: | FAE II |
| Address: | 2925 E. 17th St. | Address: | 11757 Katy Frwy, Ste. 725 |
| City, State ZIP: | Odessa, TX 79761 | City, State ZIP: | Houston, TX 77079 |
| Phone: | (575) 441-7244 Email: | Email: | Cindy.crain@gmail.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: | Lamunyon 56/CTB | Turn Around | ☒ Routine ☐ Rush |
| Project Number: | — | Due Date: | |
| Project Location: | Lea Co., NM | TAT starts the day received by the lab, if received by 4:30pm | |
| Sampler's Name: | Cindy Crain | | |
| PO #: | — | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes (No) | Wet Ice: | (Yes) No |
| Samples Received Intact: | (Yes) No | Thermometer ID: | IR5 |
| Cooler Custody Seals: | Yes No (N/A) | Correction Factor: | -.1 |
| Sample Custody Seals: | Yes No (N/A) | Temperature Reading: | 4.2 |
| Total Containers: | | Corrected Temperature: | 4.1 |

**Preservative Codes**

None: NO | DI Water: $H_2O$
Cool: Cool | MeOH: Me
HCL: HC | $HNO_3$: HN
$H_2SO_4$: $H_2$ | NaOH: Na
$H_3PO_4$: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | Pres. Code | Parameters: TPH 8015M | BTEX | Chlorides | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TH-1 (1') | S | 5/20/25 | 1030 | 1' | C | 1 | | X | X | X | |
| TH-1 (4') | | | 1035 | 4' | | | | | | | |
| TH-2 (1') | | | 1040 | 1' | | | | | | | |
| TH-2 (4') | | | 1045 | 4' | | | | | | | |
| TH-3 (1') | | | 1050 | 1' | | | | | | | |
| TH-3 (4') | | | 1055 | 4' | | | | | | | |
| TH-4 (1') | | | 1100 | 1' | | | | | | | |
| TH-4 (4') | | | 1105 | 4' | | | | | | | |
| TH-5 (1') | | | 1110 | 1' | | | | | | | |
| TH-5 (4') | | | 1115 | 4' | | | | | | | |

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 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471



| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 Cindy Crain | | 5/20/25 1802 | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

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) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 2 of 3

| | | | |
|---|---|---|---|
| Project Manager: | Cindy Crain | Bill to: (if different) | Billy Moore |
| Company Name: | Crain Environmental | Company Name: | FAE II |
| Address: | 2925 E. 17th St. | Address: | 11757 Katy Frwy, Ste 725 |
| City, State ZIP: | Odessa, TX 79761 | City, State ZIP: | Houston, TX 77079 |
| Phone: | (575) 441-7244 | Email: | Cindy.crain@gmail.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: | Lamunyon 56/CTB | Turn Around | |
| Project Number: | - | ☒ Routine ☐ Rush | |
| Project Location: | Lea Co., NM | Due Date: | |
| Sampler's Name: | Cindy Crain | 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: | | |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2SO_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | Pres. Code | TPH 8015M | BTEX | Chlorides | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TH-6 (1') | S | 5/21/25 | 1120 | 1' | C | 1 | | X | X | X | |
| TH-6 (4') | | | 1125 | 4' | | | | | | | |
| TH-7 (1') | | | 1130 | 1' | | | | | | | |
| TH-7 (4') | | | 1135 | 4' | | | | | | | |
| TH-8 (1') | | | 1140 | 1' | | | | | | | |
| TH-8 (4') | | | 1145 | 4' | | | | | | | |
| TH-9 (1') | | | 1150 | 1' | | | | | | | |
| TH-9 (4') | | | 1155 | 4' | | | | | | | |
| TH-10 (1') | | | 1200 | 1' | | | | | | | |
| TH-10 (4') | ↓ | ↓ | 1205 | 4' | ↓ | ↓ | | ↓ | ↓ | ↓ | |

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 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 Tl 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 Cindy Crain | | 5/22/25 800 | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

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) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 3 of 3

| | | | |
|---|---|---|---|
| Project Manager: | Cindy Crain | Bill to: (if different) | Billy Moore |
| Company Name: | Crain Environmental | Company Name: | FAE II |
| Address: | 2925 E. 17th St. | Address: | 11757 Katy Frwy, Ste. 725 |
| City, State ZIP: | Odessa, TX 79761 | City, State ZIP: | Houston, TX 77079 |
| Phone: | (575) 441-7244 Email: | Email: | Cindy.crain@gmail.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: | Lamunyon 56/CTB | Turn Around | ☒ Routine ☐ Rush |
| Project Number: | – | Due Date: | |
| Project Location: | Lea Co. NM | TAT starts the day received by the lab, if received by 4:30pm | |
| Sampler's Name: | Cindy Crain | | |
| 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: | | |

**Preservative Codes**

None: NO | DI Water: $H_2O$
Cool: Cool | MeOH: Me
HCL: HC | $HNO_3$: HN
$H_2SO_4$: $H_2$ | NaOH: Na
$H_3PO_4$: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | Pres. Code | Parameters: TPH 8015M | BTEX | Chlorides | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TH-11 (1') | S | 5/21/25 | 1210 | 1' | C | 1 | | X | X | X | |
| TH-11 (4') | ↓ | ↓ | 1215 | 4' | ↓ | ↓ | | ↓ | ↓ | ↓ | |
| TH-12 (1') | | | 1220 | 1' | | | | | | | |
| TH-12 (4') | | | 1225 | 4' | | | | | | | |
| TH-13 (1') | | | 1230 | 1' | | | | | | | |
| TH-13 (4') | ↓ | ↓ | 1235 | 4' | ↓ | ↓ | | ↓ | ↓ | ↓ | |

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 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471



| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 Cindy Crain | | 5/22/25 1300 | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date: 08/25/2020 Rev. 2020.2

# Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-58514-1
SDG Number: Lea Co., NM

**Login Number: 58514**
**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 | |

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Cindy Crain
Crain Environmental
2925 E. 17th St.
Odessa, Texas 79761

Generated 10/28/2025 12:28:34 PM

## JOB DESCRIPTION

Lamunyon 56 (CTB)
Lea Co., NM

## JOB NUMBER

880-64034-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.





my EOL

# 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
10/28/2025 12:28:34 PM

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

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Laboratory Job ID: 880-64034-1
SDG: Lea Co., NM

# Table of Contents

# Definitions/Glossary

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Qualifiers

### GC VOA

| Qualifier | Qualifier Description |
|---|---|
| *+ | LCS and/or LCSD is outside acceptance limits, high biased. |
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD 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. |

### 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: Crain Environmental
Project: Lamunyon 56 (CTB)

Job ID: 880-64034-1

## Job ID: 880-64034-1 Eurofins Midland

**Job Narrative**
**880-64034-1**

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

**Receipt**
The samples were received on 10/20/2025 2:05 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 -6.5°C.

**GC VOA**
Method 8021B: Surrogate recovery for the following samples were outside control limits: TH-14 (1') (880-64034-1), TH-14 (4') (880-64034-2), TH-16 (1') (880-64034-5), TH-16 (4') (880-64034-6), TH-17 (1') (880-64034-7), TH-17 (4') (880-64034-8), TH-18 (1') (880-64034-9), TH-18 (4') (880-64034-10), TH-19 (1') (880-64034-11), TH-20 (1') (880-64034-13), TH-20 (4') (880-64034-14), TH-21 (1') (880-64034-15), TH-21 (4') (880-64034-16), TH-22 (1') (880-64034-17), TH-23 (1') (880-64034-19), (CCV 880-121944/51), (CCV 880-121944/82), (880-64034-A-1-C MS) and (880-64034-A-1-D MSD). 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 880-121794 and analytical batch 880-121944 was outside the upper control limits.

Method 8021B: The matrix spike/ matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-121795 and analytical batch 880-122028 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-121790 and analytical batch 880-122028 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: TH-24 (1') (880-64034-21), TH-27 (1') (880-64034-27) and TH-27 (4') (880-64034-28). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (LCS 880-121794/1-A) and (LCSD 880-121794/2-A). Evidence of matrix interferences is not obvious.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-122036 and analytical batch 880-122025 was outside the upper control limits.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-122036 and analytical batch 880-122025 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 8021B: The surrogate recovery for the blank associated with preparation batch 880-121795 and analytical batch 880-122028 was outside the upper control limits.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: TH-25 (4') (880-64034-24). Elevated reporting limits (RLs) are provided.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-121899 and 880-122100 and analytical

# Case Narrative

Client: Crain Environmental
Project: Lamunyon 56 (CTB)

Job ID: 880-64034-1

## Job ID: 880-64034-1 (Continued) Eurofins Midland

batch 880-122037 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: TH-27 (4') (880-64034-28). 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 continuing calibration verification (CCV) associated with batch 880-122021 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 880-122021/6).

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-121694 and analytical batch 880-122021 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: TH-14 (1') (880-64034-1), TH-15 (1') (880-64034-3), TH-16 (1') (880-64034-5), TH-16 (4') (880-64034-6), TH-20 (1') (880-64034-13), TH-20 (4') (880-64034-14), TH-21 (4') (880-64034-16), (880-64033-A-15-A), (880-64033-A-15-B MS) and (880-64033-A-15-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-121694 and analytical batch 880-122021 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: TH-24 (1') (880-64034-21), TH-24 (4') (880-64034-22), TH-25 (4') (880-64034-24), TH-27 (1') (880-64034-27), TH-27 (4') (880-64034-28), TH-29 (1') (880-64034-31), TH-29 (4') (880-64034-32), TH-30 (1') (880-64034-33) and (880-64034-A-19-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-121695/2-A) and (LCSD 880-121695/3-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 for preparation batch 880-121707 and analytical batch 880-121732 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.

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-14 (1')

**Lab Sample ID: 880-64034-1**
**Matrix: Solid**
**Date Collected: 10/16/25 14:00**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:36 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:36 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:36 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:36 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:36 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:36 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *122* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 09:36* | *1* |
| *1,4-Difluorobenzene (Surr)* | *66* | *S1-* | *70 - 130* | *10/22/25 13:18* | *10/25/25 09:36* | *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 | | mg/Kg | | | 10/25/25 09:36 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.8 | U | 49.8 | | mg/Kg | | | 10/25/25 13:44 | 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 | <49.8 | U | 49.8 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 13:44 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U *+ | 49.8 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 13:44 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 13:44 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *98* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 13:44* | *1* |
| *o-Terphenyl* | *141* | *S1+* | *70 - 130* | *10/21/25 12:30* | *10/25/25 13:44* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **136** | | 10.0 | | mg/Kg | | | 10/22/25 10:20 | 1 |

## Client Sample ID: TH-14 (4')

**Lab Sample ID: 880-64034-2**
**Matrix: Solid**
**Date Collected: 10/16/25 14:05**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:56 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:56 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:56 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:56 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:56 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:56 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *136* | *S1+* | *70 - 130* | *10/22/25 13:18* | *10/25/25 09:56* | *1* |
| *1,4-Difluorobenzene (Surr)* | *74* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 09:56* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-14 (4')

**Date Collected: 10/16/25 14:05**
**Date Received: 10/20/25 14:05**

**Lab Sample ID: 880-64034-2**
**Matrix: Solid**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 10/25/25 09:56 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 10/25/25 13:58 | 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 | <49.9 | U | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 13:58 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U *+ | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 13:58 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 13:58 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *88* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 13:58* | *1* |
| *o-Terphenyl* | *129* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 13:58* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **136** | | 10.1 | | mg/Kg | | | 10/22/25 10:26 | 1 |

## Client Sample ID: TH-15 (1')

**Date Collected: 10/16/25 14:10**
**Date Received: 10/20/25 14:05**

**Lab Sample ID: 880-64034-3**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:17 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:17 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:17 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:17 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:17 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:17 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *124* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 10:17* | *1* |
| *1,4-Difluorobenzene (Surr)* | *71* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 10:17* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 10/25/25 10:17 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **91.0** | | 50.0 | | mg/Kg | | | 10/25/25 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 | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 14:12 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *+ | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 14:12 | 1 |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-15 (1')

**Lab Sample ID: 880-64034-3**
**Matrix: Solid**
**Date Collected: 10/16/25 14:10**
**Date Received: 10/20/25 14:05**

### 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)** | **91.0** | | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 14:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *94* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 14:12* | *1* |
| *o-Terphenyl* | *135* | *S1+* | *70 - 130* | *10/21/25 12:30* | *10/25/25 14:12* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **93.6** | | 9.94 | | mg/Kg | | | 10/22/25 10:32 | 1 |

## Client Sample ID: TH-15 (4')

**Lab Sample ID: 880-64034-4**
**Matrix: Solid**
**Date Collected: 10/16/25 14:15**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:37 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:37 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:37 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:37 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:37 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *121* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 10:37* | *1* |
| *1,4-Difluorobenzene (Surr)* | *73* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 10:37* | *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 | | mg/Kg | | | 10/25/25 10:37 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **113** | | 49.9 | | mg/Kg | | | 10/25/25 14:27 | 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 | <49.9 | U | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 14:27 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U *+ | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 14:27 | 1 |
| **Oil Range Organics (Over C28-C36)** | **113** | | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 14:27 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *89* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 14:27* | *1* |
| *o-Terphenyl* | *120* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 14:27* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **125** | | 9.92 | | mg/Kg | | | 10/22/25 10:38 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-16 (1')

**Lab Sample ID: 880-64034-5**
**Matrix: Solid**
**Date Collected: 10/16/25 14:20**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:57 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:57 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:57 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:57 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:57 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 10:57 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *115* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 10:57* | *1* |
| *1,4-Difluorobenzene (Surr)* | *64* | *S1-* | *70 - 130* | *10/22/25 13:18* | *10/25/25 10:57* | *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 | | mg/Kg | | | 10/25/25 10:57 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **194** | | 50.0 | | mg/Kg | | | 10/25/25 14:41 | 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 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 14:41 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *+ | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 14:41 | 1 |
| **Oil Range Organics (Over C28-C36)** | **194** | | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 14:41 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *98* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 14:41* | *1* |
| *o-Terphenyl* | *141* | *S1+* | *70 - 130* | *10/21/25 12:30* | *10/25/25 14:41* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **116** | | 9.92 | | mg/Kg | | | 10/22/25 10:56 | 1 |

## Client Sample ID: TH-16 (4')

**Lab Sample ID: 880-64034-6**
**Matrix: Solid**
**Date Collected: 10/16/25 14:25**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:17 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:17 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:17 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:17 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:17 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:17 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *113* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 11:17* | *1* |
| *1,4-Difluorobenzene (Surr)* | *62* | *S1-* | *70 - 130* | *10/22/25 13:18* | *10/25/25 11:17* | *1* |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-16 (4')

**Lab Sample ID: 880-64034-6**
**Matrix: Solid**
**Date Collected: 10/16/25 14:25**
**Date Received: 10/20/25 14:05**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 10/25/25 11:17 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **144** | | 49.9 | | mg/Kg | | | 10/25/25 14:55 | 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 | | 10/21/25 12:30 | 10/25/25 14:55 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U *+ | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 14:55 | 1 |
| **Oil Range Organics (Over C28-C36)** | **144** | | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 14:55 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *92* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 14:55* | *1* |
| *o-Terphenyl* | *135* | *S1+* | *70 - 130* | *10/21/25 12:30* | *10/25/25 14:55* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **142** | | 9.90 | | mg/Kg | | | 10/22/25 11:02 | 1 |

## Client Sample ID: TH-17 (1')

**Lab Sample ID: 880-64034-7**
**Matrix: Solid**
**Date Collected: 10/16/25 14:30**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:38 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:38 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:38 | 1 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.00403 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:38 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:38 | 1 |
| Xylenes, Total | <0.00403 | U | 0.00403 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:38 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *114* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 11:38* | *1* |
| *1,4-Difluorobenzene (Surr)* | *64* | *S1-* | *70 - 130* | *10/22/25 13:18* | *10/25/25 11:38* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00403 | U | 0.00403 | | mg/Kg | | | 10/25/25 11:38 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **318** | | 50.0 | | mg/Kg | | | 10/25/25 15:09 | 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 | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 15:09 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-17 (1')

**Lab Sample ID: 880-64034-7**
**Matrix: Solid**
**Date Collected: 10/16/25 14:30**
**Date Received: 10/20/25 14:05**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (Over C10-C28) | 217 | *+ | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 15:09 | 1 |
| Oil Range Organics (Over C28-C36) | 101 | | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 15:09 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *92* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 15:09* | *1* |
| *o-Terphenyl* | *129* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 15:09* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 145 | | 10.0 | | mg/Kg | | | 10/22/25 11:19 | 1 |

## Client Sample ID: TH-17 (4')

**Lab Sample ID: 880-64034-8**
**Matrix: Solid**
**Date Collected: 10/16/25 14:35**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:58 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:58 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:58 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:58 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:58 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 11:58 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 11:58* | *1* |
| *1,4-Difluorobenzene (Surr)* | *61* | *S1-* | *70 - 130* | *10/22/25 13:18* | *10/25/25 11:58* | *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 | | mg/Kg | | | 10/25/25 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 | 148 | | 49.8 | | mg/Kg | | | 10/25/25 15:23 | 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 | <49.8 | U | 49.8 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 15:23 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U *+ | 49.8 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 15:23 | 1 |
| Oil Range Organics (Over C28-C36) | 148 | | 49.8 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 15:23 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *88* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 15:23* | *1* |
| *o-Terphenyl* | *126* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 15:23* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-17 (4')

**Lab Sample ID: 880-64034-8**
**Matrix: Solid**
**Date Collected: 10/16/25 14:35**
**Date Received: 10/20/25 14:05**

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **177** | | 10.1 | | mg/Kg | | | 10/22/25 11:25 | 1 |

## Client Sample ID: TH-18 (1')

**Lab Sample ID: 880-64034-9**
**Matrix: Solid**
**Date Collected: 10/16/25 14:40**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 12:18 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 12:18 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 12:18 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 12:18 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 12:18 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 12:18 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *118* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 12:18* | *1* |
| *1,4-Difluorobenzene (Surr)* | *68* | *S1-* | *70 - 130* | *10/22/25 13:18* | *10/25/25 12:18* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 10/25/25 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** | **149** | | 49.9 | | mg/Kg | | | 10/25/25 15:52 | 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 | <49.9 | U | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 15:52 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U *+ | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 15:52 | 1 |
| **Oil Range Organics (Over C28-C36)** | **149** | | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 15:52 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *86* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 15:52* | *1* |
| *o-Terphenyl* | *129* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 15:52* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **340** | | 10.1 | | mg/Kg | | | 10/22/25 11:31 | 1 |

## Client Sample ID: TH-18 (4')

**Lab Sample ID: 880-64034-10**
**Matrix: Solid**
**Date Collected: 10/16/25 14:45**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 12:39 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 12:39 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 12:39 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-18 (4')

**Lab Sample ID: 880-64034-10**
**Matrix: Solid**
**Date Collected: 10/16/25 14:45**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| m-Xylene & p-Xylene | <0.00403 | U | 0.00403 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 12:39 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 12:39 | 1 |
| Xylenes, Total | <0.00403 | U | 0.00403 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 12:39 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *115* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 12:39* | *1* |
| *1,4-Difluorobenzene (Surr)* | *63* | *S1-* | *70 - 130* | *10/22/25 13:18* | *10/25/25 12:39* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00403 | U | 0.00403 | | mg/Kg | | | 10/25/25 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** | **722** | | 50.0 | | mg/Kg | | | 10/25/25 16:07 | 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 | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 16:07 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **637** | ***+** | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 16:07 | 1 |
| **Oil Range Organics (Over C28-C36)** | **84.8** | | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 16:07 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *100* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 16:07* | *1* |
| *o-Terphenyl* | *130* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 16:07* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **364** | | 10.0 | | mg/Kg | | | 10/22/25 11:37 | 1 |

## Client Sample ID: TH-19 (1')

**Lab Sample ID: 880-64034-11**
**Matrix: Solid**
**Date Collected: 10/16/25 14:50**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:12 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:12 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:12 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:12 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:12 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:12 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *115* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 14:12* | *1* |
| *1,4-Difluorobenzene (Surr)* | *63* | *S1-* | *70 - 130* | *10/22/25 13:18* | *10/25/25 14:12* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 10/25/25 14:12 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-19 (1')

**Lab Sample ID: 880-64034-11**
**Matrix: Solid**
**Date Collected: 10/16/25 14:50**
**Date Received: 10/20/25 14:05**

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **283** | | 49.9 | | mg/Kg | | | 10/25/25 16:21 | 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 | <49.9 | U | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 16:21 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U *+ | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 16:21 | 1 |
| **Oil Range Organics (Over C28-C36)** | **283** | | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 16:21 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *103* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 16:21* | *1* |
| *o-Terphenyl* | *124* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 16:21* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **125** | | 9.94 | | mg/Kg | | | 10/22/25 11:43 | 1 |

## Client Sample ID: TH-19 (4')

**Lab Sample ID: 880-64034-12**
**Matrix: Solid**
**Date Collected: 10/16/25 14:50**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:32 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:32 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:32 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:32 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:32 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:32 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *130* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 14:32* | *1* |
| *1,4-Difluorobenzene (Surr)* | *73* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 14:32* | *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 | | mg/Kg | | | 10/25/25 14:32 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **431** | | 50.0 | | mg/Kg | | | 10/25/25 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 | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 16:36 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **271** | ***+** | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 16:36 | 1 |
| **Oil Range Organics (Over C28-C36)** | **160** | | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 16:36 | 1 |

Eurofins Midland

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-19 (4')

**Date Collected: 10/16/25 14:50**
**Date Received: 10/20/25 14:05**

**Lab Sample ID: 880-64034-12**
**Matrix: Solid**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *105* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 16:36* | *1* |
| *o-Terphenyl* | *129* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 16:36* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **179** | | 10.0 | | mg/Kg | | | 10/22/25 11:49 | 1 |

## Client Sample ID: TH-20 (1')

**Date Collected: 10/16/25 15:00**
**Date Received: 10/20/25 14:05**

**Lab Sample ID: 880-64034-13**
**Matrix: Solid**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:53 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:53 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:53 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:53 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:53 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 14:53 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *135* | *S1+* | *70 - 130* | *10/22/25 13:18* | *10/25/25 14:53* | *1* |
| *1,4-Difluorobenzene (Surr)* | *72* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 14:53* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 10/25/25 14:53 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **396** | | 50.0 | | mg/Kg | | | 10/25/25 16:50 | 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 | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 16:50 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U *+ | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 16:50 | 1 |
| **Oil Range Organics (Over C28-C36)** | **396** | | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 16:50 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *106* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 16:50* | *1* |
| *o-Terphenyl* | *134* | *S1+* | *70 - 130* | *10/21/25 12:30* | *10/25/25 16:50* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **558** | | 10.1 | | mg/Kg | | | 10/22/25 11:54 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-20 (4')

**Lab Sample ID: 880-64034-14**
**Matrix: Solid**
**Date Collected: 10/16/25 15:05**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:13 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:13 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:13 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:13 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:13 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:13 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *130* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 15:13* | *1* |
| *1,4-Difluorobenzene (Surr)* | *69* | *S1-* | *70 - 130* | *10/22/25 13:18* | *10/25/25 15:13* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00396 | U | 0.00396 | | mg/Kg | | | 10/25/25 15:13 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **294** | | 49.8 | | mg/Kg | | | 10/25/25 17:04 | 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 | | 10/21/25 12:30 | 10/25/25 17:04 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U *+ | 49.8 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 17:04 | 1 |
| **Oil Range Organics (Over C28-C36)** | **294** | | 49.8 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 17:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *111* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 17:04* | *1* |
| *o-Terphenyl* | *137* | *S1+* | *70 - 130* | *10/21/25 12:30* | *10/25/25 17:04* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **2180** | **F1** | 49.6 | | mg/Kg | | | 10/22/25 12:41 | 5 |

## Client Sample ID: TH-21 (1')

**Lab Sample ID: 880-64034-15**
**Matrix: Solid**
**Date Collected: 10/16/25 15:10**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:33 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:33 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:33 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:33 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:33 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:33 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *175* | *S1+* | *70 - 130* | *10/22/25 13:18* | *10/25/25 15:33* | *1* |
| *1,4-Difluorobenzene (Surr)* | *82* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 15:33* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-21 (1')

**Lab Sample ID: 880-64034-15**
**Matrix: Solid**
**Date Collected: 10/16/25 15:10**
**Date Received: 10/20/25 14:05**

### 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 | | mg/Kg | | | 10/25/25 15:33 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **222** | | 49.9 | | mg/Kg | | | 10/25/25 17:18 | 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 | <49.9 | U | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 17:18 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U *+ | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 17:18 | 1 |
| **Oil Range Organics (Over C28-C36)** | **222** | | 49.9 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 17:18 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *108* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 17:18* | *1* |
| *o-Terphenyl* | *130* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 17:18* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **156** | | 9.96 | | mg/Kg | | | 10/22/25 12:59 | 1 |

## Client Sample ID: TH-21 (4')

**Lab Sample ID: 880-64034-16**
**Matrix: Solid**
**Date Collected: 10/16/25 15:15**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:54 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:54 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:54 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:54 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:54 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 15:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *156* | *S1+* | *70 - 130* | *10/22/25 13:18* | *10/25/25 15:54* | *1* |
| *1,4-Difluorobenzene (Surr)* | *73* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 15:54* | *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 | | mg/Kg | | | 10/25/25 15:54 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **196** | | 50.0 | | mg/Kg | | | 10/25/25 17:32 | 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 | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 17:32 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-21 (4')

**Lab Sample ID: 880-64034-16**
**Matrix: Solid**
**Date Collected: 10/16/25 15:15**
**Date Received: 10/20/25 14:05**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (Over C10-C28) | <50.0 | U *+ | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 17:32 | 1 |
| **Oil Range Organics (Over C28-C36)** | **196** | | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 17:32 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *109* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 17:32* | *1* |
| *o-Terphenyl* | *136* | *S1+* | *70 - 130* | *10/21/25 12:30* | *10/25/25 17:32* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **326** | | 10.1 | | mg/Kg | | | 10/22/25 13:05 | 1 |

## Client Sample ID: TH-22 (1')

**Lab Sample ID: 880-64034-17**
**Matrix: Solid**
**Date Collected: 10/16/25 15:20**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 16:14 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 16:14 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 16:14 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 16:14 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 16:14 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 16:14 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *118* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 16:14* | *1* |
| *1,4-Difluorobenzene (Surr)* | *56* | *S1-* | *70 - 130* | *10/22/25 13:18* | *10/25/25 16:14* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 10/25/25 16:14 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **161** | | 49.8 | | mg/Kg | | | 10/25/25 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 | <49.8 | U | 49.8 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 17:46 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U *+ | 49.8 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 17:46 | 1 |
| **Oil Range Organics (Over C28-C36)** | **161** | | 49.8 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 17:46 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *105* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 17:46* | *1* |
| *o-Terphenyl* | *129* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 17:46* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-22 (1')

**Lab Sample ID: 880-64034-17**
**Matrix: Solid**
**Date Collected: 10/16/25 15:20**
**Date Received: 10/20/25 14:05**

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **102** | | 9.94 | | mg/Kg | | | 10/22/25 13:11 | 1 |

## Client Sample ID: TH-22 (4')

**Lab Sample ID: 880-64034-18**
**Matrix: Solid**
**Date Collected: 10/16/25 15:25**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/27/25 12:36 | 10/27/25 16:00 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/27/25 12:36 | 10/27/25 16:00 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/27/25 12:36 | 10/27/25 16:00 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 10/27/25 12:36 | 10/27/25 16:00 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/27/25 12:36 | 10/27/25 16:00 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/27/25 12:36 | 10/27/25 16:00 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *105* | | *70 - 130* | *10/27/25 12:36* | *10/27/25 16:00* | *1* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* | *10/27/25 12:36* | *10/27/25 16:00* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 10/27/25 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** | **521** | | 250 | | mg/Kg | | | 10/25/25 18:01 | 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 | <250 | U | 250 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 18:01 | 5 |
| Diesel Range Organics (Over C10-C28) | <250 | U *+ | 250 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 18:01 | 5 |
| **Oil Range Organics (Over C28-C36)** | **521** | | 250 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 18:01 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *102* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 18:01* | *5* |
| *o-Terphenyl* | *128* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 18:01* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **107** | | 9.92 | | mg/Kg | | | 10/22/25 13:17 | 1 |

## Client Sample ID: TH-23 (1')

**Lab Sample ID: 880-64034-19**
**Matrix: Solid**
**Date Collected: 10/16/25 15:30**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 16:55 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 16:55 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 16:55 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-23 (1')

**Lab Sample ID: 880-64034-19**
**Matrix: Solid**
**Date Collected: 10/16/25 15:30**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 16:55 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 16:55 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 16:55 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *123* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 16:55* | *1* |
| *1,4-Difluorobenzene (Surr)* | *64* | *S1-* | *70 - 130* | *10/22/25 13:18* | *10/25/25 16:55* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 10/25/25 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 | <50.0 | U | 50.0 | | mg/Kg | | | 10/28/25 03:49 | 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 | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 03:49 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 03:49 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 03:49 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *107* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 03:49* | *1* |
| *o-Terphenyl* | *129* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 03:49* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **203** | | 9.98 | | mg/Kg | | | 10/22/25 13:34 | 1 |

## Client Sample ID: TH-23 (4')

**Lab Sample ID: 880-64034-20**
**Matrix: Solid**
**Date Collected: 10/16/25 15:35**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/23/25 14:07 | 10/27/25 14:57 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/23/25 14:07 | 10/27/25 14:57 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/23/25 14:07 | 10/27/25 14:57 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 10/23/25 14:07 | 10/27/25 14:57 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/23/25 14:07 | 10/27/25 14:57 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/23/25 14:07 | 10/27/25 14:57 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* | *10/23/25 14:07* | *10/27/25 14:57* | *1* |
| *1,4-Difluorobenzene (Surr)* | *97* | | *70 - 130* | *10/23/25 14:07* | *10/27/25 14:57* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 10/27/25 14:57 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-23 (4')

**Lab Sample ID: 880-64034-20**
**Matrix: Solid**
**Date Collected: 10/16/25 15:35**
**Date Received: 10/20/25 14:05**

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | <49.9 | U | 49.9 | | mg/Kg | | | 10/28/25 04:32 | 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 | <49.9 | U | 49.9 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 04:32 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 04:32 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 04:32 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *105* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 04:32* | *1* |
| *o-Terphenyl* | *127* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 04:32* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **126** | | 10.0 | | mg/Kg | | | 10/22/25 13:40 | 1 |

## Client Sample ID: TH-24 (1')

**Lab Sample ID: 880-64034-21**
**Matrix: Solid**
**Date Collected: 10/16/25 15:40**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U F2 F1 | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 22:49 | 1 |
| Toluene | <0.00200 | U F2 F1 | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 22:49 | 1 |
| Ethylbenzene | <0.00200 | U F2 F1 | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 22:49 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U F2 F1 | 0.00399 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 22:49 | 1 |
| o-Xylene | <0.00200 | U F1 | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 22:49 | 1 |
| Xylenes, Total | <0.00399 | U F2 F1 | 0.00399 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 22:49 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *68* | *S1-* | *70 - 130* | *10/22/25 13:21* | *10/26/25 22:49* | *1* |
| *1,4-Difluorobenzene (Surr)* | *92* | | *70 - 130* | *10/22/25 13:21* | *10/26/25 22:49* | *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 | | mg/Kg | | | 10/26/25 22:49 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **3600** | | 250 | | mg/Kg | | | 10/28/25 04:46 | 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 | <250 | U | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 04:46 | 5 |
| **Diesel Range Organics (Over C10-C28)** | **3260** | | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 04:46 | 5 |
| **Oil Range Organics (Over C28-C36)** | **338** | | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 04:46 | 5 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-24 (1')

**Lab Sample ID: 880-64034-21**
**Matrix: Solid**
**Date Collected: 10/16/25 15:40**
**Date Received: 10/20/25 14:05**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *98* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 04:46* | *5* |
| *o-Terphenyl* | *263* | *S1+* | *70 - 130* | *10/21/25 12:33* | *10/28/25 04:46* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **435** | | 10.1 | | mg/Kg | | | 10/22/25 13:46 | 1 |

## Client Sample ID: TH-24 (4')

**Lab Sample ID: 880-64034-22**
**Matrix: Solid**
**Date Collected: 10/16/25 15:45**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:09 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:09 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:09 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:09 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:09 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:09 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *81* | | *70 - 130* | *10/22/25 13:21* | *10/26/25 23:09* | *1* |
| *1,4-Difluorobenzene (Surr)* | *97* | | *70 - 130* | *10/22/25 13:21* | *10/26/25 23:09* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 10/26/25 23:09 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **3690** | | 250 | | mg/Kg | | | 10/28/25 05:01 | 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 | <250 | U | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 05:01 | 5 |
| **Diesel Range Organics (Over C10-C28)** | **3380** | | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 05:01 | 5 |
| **Oil Range Organics (Over C28-C36)** | **311** | | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 05:01 | 5 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *118* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 05:01* | *5* |
| *o-Terphenyl* | *282* | *S1+* | *70 - 130* | *10/21/25 12:33* | *10/28/25 05:01* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **861** | | 10.0 | | mg/Kg | | | 10/22/25 13:52 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-25 (1')

**Lab Sample ID: 880-64034-23**
**Matrix: Solid**
**Date Collected: 10/16/25 15:50**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:30 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:30 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:30 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:30 | 1 |
| **o-Xylene** | **0.00214** | | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:30 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:30 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *93* | | *70 - 130* | *10/22/25 13:21* | *10/26/25 23:30* | *1* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* | *10/22/25 13:21* | *10/26/25 23:30* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 10/26/25 23:30 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **594** | | 49.8 | | mg/Kg | | | 10/28/25 05:15 | 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 | <49.8 | U | 49.8 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 05:15 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **491** | | 49.8 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 05:15 | 1 |
| **Oil Range Organics (Over C28-C36)** | **103** | | 49.8 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 05:15 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *102* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 05:15* | *1* |
| *o-Terphenyl* | *128* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 05:15* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1260** | | 10.0 | | mg/Kg | | | 10/22/25 13:58 | 1 |

## Client Sample ID: TH-25 (4')

**Lab Sample ID: 880-64034-24**
**Matrix: Solid**
**Date Collected: 10/16/25 15:55**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.0497 | U | 0.0497 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 01:12 | 25 |
| Toluene | <0.0497 | U | 0.0497 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 01:12 | 25 |
| Ethylbenzene | <0.0497 | U | 0.0497 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 01:12 | 25 |
| m-Xylene & p-Xylene | <0.0994 | U | 0.0994 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 01:12 | 25 |
| o-Xylene | <0.0497 | U | 0.0497 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 01:12 | 25 |
| Xylenes, Total | <0.0994 | U | 0.0994 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 01:12 | 25 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *82* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 01:12* | *25* |
| *1,4-Difluorobenzene (Surr)* | *77* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 01:12* | *25* |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-25 (4')

**Lab Sample ID: 880-64034-24**
**Matrix: Solid**
**Date Collected: 10/16/25 15:55**
**Date Received: 10/20/25 14:05**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.0994 | U | 0.0994 | | mg/Kg | | | 10/27/25 01:12 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **1700** | | 250 | | mg/Kg | | | 10/28/25 05:30 | 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 | <250 | U | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 05:30 | 5 |
| **Diesel Range Organics (Over C10-C28)** | **1440** | | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 05:30 | 5 |
| **Oil Range Organics (Over C28-C36)** | **258** | | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 05:30 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *106* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 05:30* | *5* |
| *o-Terphenyl* | *179* | *S1+* | *70 - 130* | *10/21/25 12:33* | *10/28/25 05:30* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1950** | | 50.5 | | mg/Kg | | | 10/22/25 14:04 | 5 |

## Client Sample ID: TH-26 (1')

**Lab Sample ID: 880-64034-25**
**Matrix: Solid**
**Date Collected: 10/16/25 16:00**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:50 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:50 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:50 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:50 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:50 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 23:50 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *104* | | *70 - 130* | *10/22/25 13:21* | *10/26/25 23:50* | *1* |
| *1,4-Difluorobenzene (Surr)* | *98* | | *70 - 130* | *10/22/25 13:21* | *10/26/25 23:50* | *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 | | mg/Kg | | | 10/26/25 23:50 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **138** | | 50.0 | | mg/Kg | | | 10/28/25 05:45 | 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 | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 05:45 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-26 (1')

**Lab Sample ID: 880-64034-25**
**Matrix: Solid**
**Date Collected: 10/16/25 16:00**
**Date Received: 10/20/25 14:05**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 05:45 | 1 |
| **Oil Range Organics (Over C28-C36)** | **138** | | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 05:45 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *101* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 05:45* | *1* |
| *o-Terphenyl* | *124* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 05:45* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **127** | | 9.98 | | mg/Kg | | | 10/22/25 14:21 | 1 |

## Client Sample ID: TH-26 (4')

**Lab Sample ID: 880-64034-26**
**Matrix: Solid**
**Date Collected: 10/16/25 16:05**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:10 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:10 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:10 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:10 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:10 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:10 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *105* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 00:10* | *1* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 00:10* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 10/27/25 00:10 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **90.2** | | 49.9 | | mg/Kg | | | 10/28/25 05:58 | 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 | <49.9 | U | 49.9 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 05:58 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 05:58 | 1 |
| **Oil Range Organics (Over C28-C36)** | **90.2** | | 49.9 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 05:58 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *105* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 05:58* | *1* |
| *o-Terphenyl* | *127* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 05:58* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-26 (4')

**Lab Sample ID: 880-64034-26**
**Matrix: Solid**
**Date Collected: 10/16/25 16:05**
**Date Received: 10/20/25 14:05**

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 405 | | 9.92 | | mg/Kg | | | 10/22/25 14:27 | 1 |

## Client Sample ID: TH-27 (1')

**Lab Sample ID: 880-64034-27**
**Matrix: Solid**
**Date Collected: 10/16/25 16:10**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.116 | | 0.0504 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 01:32 | 25 |
| Toluene | 0.235 | | 0.0504 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 01:32 | 25 |
| Ethylbenzene | 9.80 | | 0.0504 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 01:32 | 25 |
| m-Xylene & p-Xylene | 11.3 | | 0.101 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 01:32 | 25 |
| o-Xylene | 9.29 | | 0.0504 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 01:32 | 25 |
| Xylenes, Total | 20.6 | | 0.101 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 01:32 | 25 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *173* | *S1+* | *70 - 130* | *10/22/25 13:21* | *10/27/25 01:32* | *25* |
| *1,4-Difluorobenzene (Surr)* | *74* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 01:32* | *25* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | 30.7 | | 0.101 | | mg/Kg | | | 10/27/25 01:32 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | 12600 | | 249 | | mg/Kg | | | 10/28/25 06:12 | 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 | 1320 | | 249 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 06:12 | 5 |
| Diesel Range Organics (Over C10-C28) | 10900 | | 249 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 06:12 | 5 |
| Oil Range Organics (Over C28-C36) | 415 | | 249 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 06:12 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *263* | *S1+* | *70 - 130* | *10/21/25 12:33* | *10/28/25 06:12* | *5* |
| *o-Terphenyl* | *348* | *S1+* | *70 - 130* | *10/21/25 12:33* | *10/28/25 06:12* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 162 | | 9.90 | | mg/Kg | | | 10/22/25 14:45 | 1 |

## Client Sample ID: TH-27 (4')

**Lab Sample ID: 880-64034-28**
**Matrix: Solid**
**Date Collected: 10/16/25 16:15**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.213 | | 0.0499 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 01:53 | 25 |
| Toluene | 1.14 | | 0.0499 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 01:53 | 25 |
| Ethylbenzene | 10.5 | | 0.497 | | mg/Kg | | 10/27/25 14:54 | 10/28/25 08:54 | 250 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-27 (4')

**Lab Sample ID: 880-64034-28**
**Matrix: Solid**
**Date Collected: 10/16/25 16:15**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| m-Xylene & p-Xylene | 18.0 | | 0.994 | | mg/Kg | | 10/27/25 14:54 | 10/28/25 08:54 | 250 |
| o-Xylene | 13.3 | | 0.497 | | mg/Kg | | 10/27/25 14:54 | 10/28/25 08:54 | 250 |
| Xylenes, Total | 31.3 | | 0.994 | | mg/Kg | | 10/27/25 14:54 | 10/28/25 08:54 | 250 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *214* | *S1+* | *70 - 130* | *10/22/25 13:21* | *10/27/25 01:53* | *25* |
| *1,4-Difluorobenzene (Surr)* | *84* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 01:53* | *25* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | 43.15 | | 0.00200 | | mg/Kg | | | 10/27/25 01:53 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | 13600 | | 250 | | mg/Kg | | | 10/28/25 06:28 | 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 | 1650 | | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 06:28 | 5 |
| Diesel Range Organics (Over C10-C28) | 11700 | | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 06:28 | 5 |
| Oil Range Organics (Over C28-C36) | 290 | | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 06:28 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *248* | *S1+* | *70 - 130* | *10/21/25 12:33* | *10/28/25 06:28* | *5* |
| *o-Terphenyl* | *370* | *S1+* | *70 - 130* | *10/21/25 12:33* | *10/28/25 06:28* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 179 | | 10.0 | | mg/Kg | | | 10/22/25 14:51 | 1 |

## Client Sample ID: TH-28 (1')

**Lab Sample ID: 880-64034-29**
**Matrix: Solid**
**Date Collected: 10/16/25 16:20**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:31 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:31 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:31 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:31 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:31 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *106* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 00:31* | *1* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 00:31* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 10/27/25 00:31 | 1 |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-28 (1')

**Lab Sample ID: 880-64034-29**
**Matrix: Solid**
**Date Collected: 10/16/25 16:20**
**Date Received: 10/20/25 14:05**

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **243** | | 49.9 | | mg/Kg | | | 10/28/25 06:56 | 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 | <49.9 | U | 49.9 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 06:56 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **143** | | 49.9 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 06:56 | 1 |
| **Oil Range Organics (Over C28-C36)** | **99.9** | | 49.9 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 06:56 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *100* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 06:56* | *1* |
| *o-Terphenyl* | *127* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 06:56* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **1130** | | 10.1 | | mg/Kg | | | 10/22/25 15:10 | 1 |

## Client Sample ID: TH-28 (4')

**Lab Sample ID: 880-64034-30**
**Matrix: Solid**
**Date Collected: 10/16/25 16:25**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:51 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:51 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:51 | 1 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.00403 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:51 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:51 | 1 |
| Xylenes, Total | <0.00403 | U | 0.00403 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 00:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *108* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 00:51* | *1* |
| *1,4-Difluorobenzene (Surr)* | *98* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 00:51* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00403 | U | 0.00403 | | mg/Kg | | | 10/27/25 00:51 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **89.3** | | 50.0 | | mg/Kg | | | 10/28/25 07:11 | 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 | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 07:11 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 07:11 | 1 |
| **Oil Range Organics (Over C28-C36)** | **89.3** | | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 07:11 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-28 (4')

**Lab Sample ID: 880-64034-30**
**Matrix: Solid**
**Date Collected: 10/16/25 16:25**
**Date Received: 10/20/25 14:05**

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *100* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 07:11* | *1* |
| *o-Terphenyl* | *119* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 07:11* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **2460** | | 50.1 | | mg/Kg | | | 10/22/25 14:58 | 5 |

## Client Sample ID: TH-29 (1')

**Lab Sample ID: 880-64034-31**
**Matrix: Solid**
**Date Collected: 10/16/25 16:30**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 03:43 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 03:43 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 03:43 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 03:43 | 1 |
| **o-Xylene** | **0.00986** | | 0.00199 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 03:43 | 1 |
| **Xylenes, Total** | **0.00986** | | 0.00398 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 03:43 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *82* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 03:43* | *1* |
| *1,4-Difluorobenzene (Surr)* | *82* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 03:43* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.00986** | | 0.00398 | | mg/Kg | | | 10/27/25 03:43 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **8070** | | 250 | | mg/Kg | | | 10/28/25 07:26 | 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 | <250 | U | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 07:26 | 5 |
| **Diesel Range Organics (Over C10-C28)** | **7810** | | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 07:26 | 5 |
| **Oil Range Organics (Over C28-C36)** | **259** | | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 07:26 | 5 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *154* | *S1+* | *70 - 130* | *10/21/25 12:33* | *10/28/25 07:26* | *5* |
| *o-Terphenyl* | *340* | *S1+* | *70 - 130* | *10/21/25 12:33* | *10/28/25 07:26* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **151** | | 9.94 | | mg/Kg | | | 10/22/25 15:04 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-29 (4')

**Lab Sample ID: 880-64034-32**
**Matrix: Solid**
**Date Collected: 10/16/25 21:06**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:03 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:03 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:03 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:03 | 1 |
| **o-Xylene** | **0.00442** | | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:03 | 1 |
| **Xylenes, Total** | **0.00442** | | 0.00399 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:03 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *108* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 04:03* | *1* |
| *1,4-Difluorobenzene (Surr)* | *84* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 04:03* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total BTEX** | **0.00442** | | 0.00399 | | mg/Kg | | | 10/27/25 04:03 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **6100** | | 250 | | mg/Kg | | | 10/28/25 07:40 | 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 | <250 | U | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 07:40 | 5 |
| **Diesel Range Organics (Over C10-C28)** | **5800** | | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 07:40 | 5 |
| **Oil Range Organics (Over C28-C36)** | **296** | | 250 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 07:40 | 5 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *129* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 07:40* | *5* |
| *o-Terphenyl* | *311* | *S1+* | *70 - 130* | *10/21/25 12:33* | *10/28/25 07:40* | *5* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **247** | | 10.1 | | mg/Kg | | | 10/22/25 15:16 | 1 |

## Client Sample ID: TH-30 (1')

**Lab Sample ID: 880-64034-33**
**Matrix: Solid**
**Date Collected: 10/16/25 16:40**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:23 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:23 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:23 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:23 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:23 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:23 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *88* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 04:23* | *1* |
| *1,4-Difluorobenzene (Surr)* | *89* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 04:23* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-30 (1')

**Lab Sample ID: 880-64034-33**
**Matrix: Solid**
**Date Collected: 10/16/25 16:40**
**Date Received: 10/20/25 14:05**

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 10/27/25 04:23 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **4020** | | 49.9 | | mg/Kg | | | 10/28/25 07:54 | 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 | <49.9 | U | 49.9 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 07:54 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **3900** | | 49.9 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 07:54 | 1 |
| **Oil Range Organics (Over C28-C36)** | **118** | | 49.9 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 07:54 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *99* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 07:54* | *1* |
| *o-Terphenyl* | *251* | *S1+* | *70 - 130* | *10/21/25 12:33* | *10/28/25 07:54* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **110** | | 10.1 | | mg/Kg | | | 10/22/25 15:22 | 1 |

## Client Sample ID: TH-30 (4')

**Lab Sample ID: 880-64034-34**
**Matrix: Solid**
**Date Collected: 10/16/25 16:43**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:44 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:44 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:44 | 1 |
| m-Xylene & p-Xylene | <0.00396 | U | 0.00396 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:44 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:44 | 1 |
| Xylenes, Total | <0.00396 | U | 0.00396 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 04:44 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *114* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 04:44* | *1* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 04:44* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00396 | U | 0.00396 | | mg/Kg | | | 10/27/25 04:44 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **273** | | 49.8 | | mg/Kg | | | 10/28/25 08:08 | 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 | | 10/21/25 12:33 | 10/28/25 08:08 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-30 (4')

**Lab Sample ID: 880-64034-34**
**Matrix: Solid**
**Date Collected: 10/16/25 16:43**
**Date Received: 10/20/25 14:05**

### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (Over C10-C28) | 82.8 | | 49.8 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 08:08 | 1 |
| Oil Range Organics (Over C28-C36) | 190 | | 49.8 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 08:08 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *103* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 08:08* | *1* |
| *o-Terphenyl* | *125* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 08:08* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 104 | | 10.1 | | mg/Kg | | | 10/22/25 12:25 | 1 |

## Client Sample ID: TH-31 (1')

**Lab Sample ID: 880-64034-35**
**Matrix: Solid**
**Date Collected: 10/16/25 16:35**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:04 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:04 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:04 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:04 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:04 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:04 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *98* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 05:04* | *1* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 05:04* | *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 | | mg/Kg | | | 10/27/25 05:04 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total TPH | 138 | | 49.8 | | mg/Kg | | | 10/28/25 08:22 | 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 | <49.8 | U | 49.8 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 08:22 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 08:22 | 1 |
| Oil Range Organics (Over C28-C36) | 138 | | 49.8 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 08:22 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *100* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 08:22* | *1* |
| *o-Terphenyl* | *120* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 08:22* | *1* |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-31 (1')

**Lab Sample ID: 880-64034-35**
**Matrix: Solid**
**Date Collected: 10/16/25 16:35**
**Date Received: 10/20/25 14:05**

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **177** | | 10.0 | | mg/Kg | | | 10/22/25 12:41 | 1 |

## Client Sample ID: TH-31 (4')

**Lab Sample ID: 880-64034-36**
**Matrix: Solid**
**Date Collected: 10/16/25 16:40**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:25 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:25 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:25 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:25 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:25 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:25 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *96* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 05:25* | *1* |
| *1,4-Difluorobenzene (Surr)* | *88* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 05:25* | *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 | | mg/Kg | | | 10/27/25 05:25 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **125** | | 50.0 | | mg/Kg | | | 10/28/25 08:37 | 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 | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 08:37 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 08:37 | 1 |
| **Oil Range Organics (Over C28-C36)** | **125** | | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 08:37 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *99* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 08:37* | *1* |
| *o-Terphenyl* | *122* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 08:37* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **188** | | 10.1 | | mg/Kg | | | 10/22/25 12:46 | 1 |

## Client Sample ID: TH-32 (1')

**Lab Sample ID: 880-64034-37**
**Matrix: Solid**
**Date Collected: 10/16/25 16:45**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:45 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:45 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:45 | 1 |

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# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-32 (1')

**Lab Sample ID: 880-64034-37**
**Matrix: Solid**
**Date Collected: 10/16/25 16:45**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:45 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:45 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 05:45 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *87* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 05:45* | *1* |
| *1,4-Difluorobenzene (Surr)* | *93* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 05:45* | *1* |

### Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 10/27/25 05:45 | 1 |

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **162** | | 49.8 | | mg/Kg | | | 10/28/25 08:51 | 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 | <49.8 | U | 49.8 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 08:51 | 1 |
| **Diesel Range Organics (Over C10-C28)** | **54.2** | | 49.8 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 08:51 | 1 |
| **Oil Range Organics (Over C28-C36)** | **108** | | 49.8 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 08:51 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *108* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 08:51* | *1* |
| *o-Terphenyl* | *130* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 08:51* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **188** | | 9.96 | | mg/Kg | | | 10/22/25 12:51 | 1 |

## Client Sample ID: TH-32 (4')

**Lab Sample ID: 880-64034-38**
**Matrix: Solid**
**Date Collected: 10/16/25 16:50**
**Date Received: 10/20/25 14:05**

### Method: SW846 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 06:06 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 06:06 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 06:06 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 06:06 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 06:06 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 10/22/25 13:21 | 10/27/25 06:06 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 06:06* | *1* |
| *1,4-Difluorobenzene (Surr)* | *90* | | *70 - 130* | *10/22/25 13:21* | *10/27/25 06:06* | *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 | | mg/Kg | | | 10/27/25 06:06 | 1 |

# Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-32 (4')

**Date Collected: 10/16/25 16:50**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-38

**Matrix: Solid**

### Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Total TPH** | **94.5** | | 50.0 | | mg/Kg | | | 10/28/25 09:05 | 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 | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 09:05 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 09:05 | 1 |
| **Oil Range Organics (Over C28-C36)** | **94.5** | | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 09:05 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *100* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 09:05* | *1* |
| *o-Terphenyl* | *119* | | *70 - 130* | *10/21/25 12:33* | *10/28/25 09:05* | *1* |

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Chloride** | **827** | | 9.92 | | mg/Kg | | | 10/22/25 12:56 | 1 |

# Surrogate Summary

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Method: 8021B - Volatile Organic Compounds (GC)

**Matrix: Solid** **Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BFB1 | DFBZ1 | | | | | | | | | | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | | | | | | | | | | |
| 880-64034-1 | TH-14 (1') | 122 | 66 S1- | | | | | | | | | | |
| 880-64034-1 MS | TH-14 (1') | 145 S1+ | 78 | | | | | | | | | | |
| 880-64034-1 MSD | TH-14 (1') | 157 S1+ | 81 | | | | | | | | | | |
| 880-64034-2 | TH-14 (4') | 136 S1+ | 74 | | | | | | | | | | |
| 880-64034-3 | TH-15 (1') | 124 | 71 | | | | | | | | | | |
| 880-64034-4 | TH-15 (4') | 121 | 73 | | | | | | | | | | |
| 880-64034-5 | TH-16 (1') | 115 | 64 S1- | | | | | | | | | | |
| 880-64034-6 | TH-16 (4') | 113 | 62 S1- | | | | | | | | | | |
| 880-64034-7 | TH-17 (1') | 114 | 64 S1- | | | | | | | | | | |
| 880-64034-8 | TH-17 (4') | 110 | 61 S1- | | | | | | | | | | |
| 880-64034-9 | TH-18 (1') | 118 | 68 S1- | | | | | | | | | | |
| 880-64034-10 | TH-18 (4') | 115 | 63 S1- | | | | | | | | | | |
| 880-64034-11 | TH-19 (1') | 115 | 63 S1- | | | | | | | | | | |
| 880-64034-12 | TH-19 (4') | 130 | 73 | | | | | | | | | | |
| 880-64034-13 | TH-20 (1') | 135 S1+ | 72 | | | | | | | | | | |
| 880-64034-14 | TH-20 (4') | 130 | 69 S1- | | | | | | | | | | |
| 880-64034-15 | TH-21 (1') | 175 S1+ | 82 | | | | | | | | | | |
| 880-64034-16 | TH-21 (4') | 156 S1+ | 73 | | | | | | | | | | |
| 880-64034-17 | TH-22 (1') | 118 | 56 S1- | | | | | | | | | | |
| 880-64034-18 | TH-22 (4') | 105 | 99 | | | | | | | | | | |
| 880-64034-19 | TH-23 (1') | 123 | 64 S1- | | | | | | | | | | |
| 880-64034-20 | TH-23 (4') | 104 | 97 | | | | | | | | | | |
| 880-64034-21 | TH-24 (1') | 68 S1- | 92 | | | | | | | | | | |
| 880-64034-21 MS | TH-24 (1') | 88 | 93 | | | | | | | | | | |
| 880-64034-21 MSD | TH-24 (1') | 110 | 100 | | | | | | | | | | |
| 880-64034-22 | TH-24 (4') | 81 | 97 | | | | | | | | | | |
| 880-64034-23 | TH-25 (1') | 93 | 94 | | | | | | | | | | |
| 880-64034-24 | TH-25 (4') | 82 | 77 | | | | | | | | | | |
| 880-64034-25 | TH-26 (1') | 104 | 98 | | | | | | | | | | |
| 880-64034-26 | TH-26 (4') | 105 | 100 | | | | | | | | | | |
| 880-64034-27 | TH-27 (1') | 173 S1+ | 74 | | | | | | | | | | |
| 880-64034-28 | TH-27 (4') | 214 S1+ | 84 | | | | | | | | | | |
| 880-64034-29 | TH-28 (1') | 106 | 99 | | | | | | | | | | |
| 880-64034-30 | TH-28 (4') | 108 | 98 | | | | | | | | | | |
| 880-64034-31 | TH-29 (1') | 82 | 82 | | | | | | | | | | |
| 880-64034-32 | TH-29 (4') | 108 | 84 | | | | | | | | | | |
| 880-64034-33 | TH-30 (1') | 88 | 89 | | | | | | | | | | |
| 880-64034-34 | TH-30 (4') | 114 | 90 | | | | | | | | | | |
| 880-64034-35 | TH-31 (1') | 98 | 90 | | | | | | | | | | |
| 880-64034-36 | TH-31 (4') | 96 | 88 | | | | | | | | | | |
| 880-64034-37 | TH-32 (1') | 87 | 93 | | | | | | | | | | |
| 880-64034-38 | TH-32 (4') | 101 | 90 | | | | | | | | | | |
| LCS 880-121794/1-A | Lab Control Sample | 145 S1+ | 94 | | | | | | | | | | |
| LCS 880-121795/1-A | Lab Control Sample | 100 | 106 | | | | | | | | | | |
| LCS 880-121907/1-A | Lab Control Sample | 105 | 103 | | | | | | | | | | |
| LCS 880-122036/1-A | Lab Control Sample | 121 | 98 | | | | | | | | | | |
| LCS 880-122100/1-A | Lab Control Sample | 94 | 101 | | | | | | | | | | |
| LCSD 880-121794/2-A | Lab Control Sample Dup | 139 S1+ | 80 | | | | | | | | | | |
| LCSD 880-121795/2-A | Lab Control Sample Dup | 101 | 98 | | | | | | | | | | |

# Surrogate Summary

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Matrix: Solid** **Prep Type: Total/NA**

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130) | DFBZ1 (70-130) |
|---|---|---|---|
| LCSD 880-121907/2-A | Lab Control Sample Dup | 100 | 97 |
| LCSD 880-122036/2-A | Lab Control Sample Dup | 118 | 98 |
| LCSD 880-122100/2-A | Lab Control Sample Dup | 95 | 99 |
| MB 880-121790/5-A | Method Blank | 179 S1+ | 111 |
| MB 880-121794/5-A | Method Blank | 148 S1+ | 78 |
| MB 880-121795/5-A | Method Blank | 190 S1+ | 108 |
| MB 880-121899/5-A | Method Blank | 176 S1+ | 98 |
| MB 880-121904/5-A | Method Blank | 99 | 71 |
| MB 880-121907/5-A | Method Blank | 101 | 91 |
| MB 880-122036/5-A | Method Blank | 166 S1+ | 96 |
| MB 880-122100/5-A | Method Blank | 153 S1+ | 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**

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130) | OTPH1 (70-130) |
|---|---|---|---|
| 880-64034-1 | TH-14 (1') | 98 | 141 S1+ |
| 880-64034-2 | TH-14 (4') | 88 | 129 |
| 880-64034-3 | TH-15 (1') | 94 | 135 S1+ |
| 880-64034-4 | TH-15 (4') | 89 | 120 |
| 880-64034-5 | TH-16 (1') | 98 | 141 S1+ |
| 880-64034-6 | TH-16 (4') | 92 | 135 S1+ |
| 880-64034-7 | TH-17 (1') | 92 | 129 |
| 880-64034-8 | TH-17 (4') | 88 | 126 |
| 880-64034-9 | TH-18 (1') | 86 | 129 |
| 880-64034-10 | TH-18 (4') | 100 | 130 |
| 880-64034-11 | TH-19 (1') | 103 | 124 |
| 880-64034-12 | TH-19 (4') | 105 | 129 |
| 880-64034-13 | TH-20 (1') | 106 | 134 S1+ |
| 880-64034-14 | TH-20 (4') | 111 | 137 S1+ |
| 880-64034-15 | TH-21 (1') | 108 | 130 |
| 880-64034-16 | TH-21 (4') | 109 | 136 S1+ |
| 880-64034-17 | TH-22 (1') | 105 | 129 |
| 880-64034-18 | TH-22 (4') | 102 | 128 |
| 880-64034-19 | TH-23 (1') | 107 | 129 |
| 880-64034-19 MS | TH-23 (1') | 120 | 133 S1+ |
| 880-64034-19 MSD | TH-23 (1') | 120 | 130 |
| 880-64034-20 | TH-23 (4') | 105 | 127 |
| 880-64034-21 | TH-24 (1') | 98 | 263 S1+ |
| 880-64034-22 | TH-24 (4') | 118 | 282 S1+ |
| 880-64034-23 | TH-25 (1') | 102 | 128 |
| 880-64034-24 | TH-25 (4') | 106 | 179 S1+ |
| 880-64034-25 | TH-26 (1') | 101 | 124 |
| 880-64034-26 | TH-26 (4') | 105 | 127 |
| 880-64034-27 | TH-27 (1') | 263 S1+ | 348 S1+ |

# Surrogate Summary

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Matrix: Solid**

**Prep Type: Total/NA**

| | | Percent Surrogate Recovery (Acceptance Limits) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1CO1 | OTPH1 | | | | | | | | | | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | | | | | | | | | | |
| 880-64034-28 | TH-27 (4') | 248 S1+ | 370 S1+ | | | | | | | | | | |
| 880-64034-29 | TH-28 (1') | 100 | 127 | | | | | | | | | | |
| 880-64034-30 | TH-28 (4') | 100 | 119 | | | | | | | | | | |
| 880-64034-31 | TH-29 (1') | 154 S1+ | 340 S1+ | | | | | | | | | | |
| 880-64034-32 | TH-29 (4') | 129 | 311 S1+ | | | | | | | | | | |
| 880-64034-33 | TH-30 (1') | 99 | 251 S1+ | | | | | | | | | | |
| 880-64034-34 | TH-30 (4') | 103 | 125 | | | | | | | | | | |
| 880-64034-35 | TH-31 (1') | 100 | 120 | | | | | | | | | | |
| 880-64034-36 | TH-31 (4') | 99 | 122 | | | | | | | | | | |
| 880-64034-37 | TH-32 (1') | 108 | 130 | | | | | | | | | | |
| 880-64034-38 | TH-32 (4') | 100 | 119 | | | | | | | | | | |
| LCS 880-121694/2-A | Lab Control Sample | 111 | 117 | | | | | | | | | | |
| LCS 880-121695/2-A | Lab Control Sample | 133 S1+ | 145 S1+ | | | | | | | | | | |
| LCSD 880-121694/3-A | Lab Control Sample Dup | 114 | 121 | | | | | | | | | | |
| LCSD 880-121695/3-A | Lab Control Sample Dup | 134 S1+ | 146 S1+ | | | | | | | | | | |
| MB 880-121694/1-A | Method Blank | 112 | 131 S1+ | | | | | | | | | | |
| MB 880-121695/1-A | Method Blank | 103 | 121 | | | | | | | | | | |

**Surrogate Legend**

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Method: 8021B - Volatile Organic Compounds (GC)

**Lab Sample ID: MB 880-121790/5-A**
**Matrix: Solid**
**Analysis Batch: 122028**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 121790**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 12:17 | 10/26/25 10:44 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 12:17 | 10/26/25 10:44 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 12:17 | 10/26/25 10:44 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 10/22/25 12:17 | 10/26/25 10:44 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 12:17 | 10/26/25 10:44 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/22/25 12:17 | 10/26/25 10:44 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *179* | *S1+* | *70 - 130* | *10/22/25 12:17* | *10/26/25 10:44* | *1* |
| *1,4-Difluorobenzene (Surr)* | *111* | | *70 - 130* | *10/22/25 12:17* | *10/26/25 10:44* | *1* |

**Lab Sample ID: MB 880-121794/5-A**
**Matrix: Solid**
**Analysis Batch: 121944**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 121794**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:14 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:14 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:14 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:14 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:14 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/22/25 13:18 | 10/25/25 09:14 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *148* | *S1+* | *70 - 130* | *10/22/25 13:18* | *10/25/25 09:14* | *1* |
| *1,4-Difluorobenzene (Surr)* | *78* | | *70 - 130* | *10/22/25 13:18* | *10/25/25 09:14* | *1* |

**Lab Sample ID: LCS 880-121794/1-A**
**Matrix: Solid**
**Analysis Batch: 121944**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 121794**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.09139 | | mg/Kg | | 91 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.1018 | | mg/Kg | | 102 | 70 - 130 | | |
| Ethylbenzene | | | 0.100 | 0.1131 | | mg/Kg | | 113 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.2311 | | mg/Kg | | 116 | 70 - 130 | | |
| o-Xylene | | | 0.100 | 0.1153 | | mg/Kg | | 115 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *145* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *94* | | *70 - 130* |

**Lab Sample ID: LCSD 880-121794/2-A**
**Matrix: Solid**
**Analysis Batch: 121944**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 121794**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.08282 | | mg/Kg | | 83 | 70 - 130 | 10 | 35 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCSD 880-121794/2-A** — **Client Sample ID: Lab Control Sample Dup**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 121944** — **Prep Batch: 121794**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Toluene | | | 0.100 | 0.09241 | | mg/Kg | | 92 | 70 - 130 | 10 | 35 |
| Ethylbenzene | | | 0.100 | 0.1017 | | mg/Kg | | 102 | 70 - 130 | 11 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.2078 | | mg/Kg | | 104 | 70 - 130 | 11 | 35 |
| o-Xylene | | | 0.100 | 0.1041 | | mg/Kg | | 104 | 70 - 130 | 10 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *139* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *80* | | *70 - 130* |

**Lab Sample ID: 880-64034-1 MS** — **Client Sample ID: TH-14 (1')**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 121944** — **Prep Batch: 121794**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.100 | 0.08011 | | mg/Kg | | 80 | 70 - 130 |
| Toluene | <0.00200 | U | 0.100 | 0.08150 | | mg/Kg | | 81 | 70 - 130 |
| Ethylbenzene | <0.00200 | U | 0.100 | 0.07557 | | mg/Kg | | 76 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.200 | 0.1648 | | mg/Kg | | 82 | 70 - 130 |
| o-Xylene | <0.00200 | U | 0.100 | 0.07251 | | mg/Kg | | 73 | 70 - 130 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *145* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *78* | | *70 - 130* |

**Lab Sample ID: 880-64034-1 MSD** — **Client Sample ID: TH-14 (1')**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 121944** — **Prep Batch: 121794**

| 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 | 0.08018 | | mg/Kg | | 80 | 70 - 130 | 0 | 35 |
| Toluene | <0.00200 | U | 0.100 | 0.07953 | | mg/Kg | | 80 | 70 - 130 | 2 | 35 |
| Ethylbenzene | <0.00200 | U | 0.100 | 0.07408 | | mg/Kg | | 74 | 70 - 130 | 2 | 35 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.200 | 0.1509 | | mg/Kg | | 75 | 70 - 130 | 9 | 35 |
| o-Xylene | <0.00200 | U | 0.100 | 0.07845 | | mg/Kg | | 78 | 70 - 130 | 8 | 35 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *157* | *S1+* | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *81* | | *70 - 130* |

**Lab Sample ID: MB 880-121795/5-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 122028** — **Prep Batch: 121795**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 22:20 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 22:20 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 22:20 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 22:20 | 1 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: MB 880-121795/5-A**
**Matrix: Solid**
**Analysis Batch: 122028**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 121795**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 22:20 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/22/25 13:21 | 10/26/25 22:20 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *190* | *S1+* | *70 - 130* | *10/22/25 13:21* | *10/26/25 22:20* | *1* |
| *1,4-Difluorobenzene (Surr)* | *108* | | *70 - 130* | *10/22/25 13:21* | *10/26/25 22:20* | *1* |

**Lab Sample ID: LCS 880-121795/1-A**
**Matrix: Solid**
**Analysis Batch: 122028**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 121795**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1011 | | mg/Kg | | 101 | 70 - 130 |
| Toluene | 0.100 | 0.09285 | | mg/Kg | | 93 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09097 | | mg/Kg | | 91 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.1869 | | mg/Kg | | 93 | 70 - 130 |
| o-Xylene | 0.100 | 0.1002 | | mg/Kg | | 100 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *100* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *106* | | *70 - 130* |

**Lab Sample ID: LCSD 880-121795/2-A**
**Matrix: Solid**
**Analysis Batch: 122028**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 121795**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1027 | | mg/Kg | | 103 | 70 - 130 | 2 | 35 |
| Toluene | 0.100 | 0.09454 | | mg/Kg | | 95 | 70 - 130 | 2 | 35 |
| Ethylbenzene | 0.100 | 0.1024 | | mg/Kg | | 102 | 70 - 130 | 12 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2100 | | mg/Kg | | 105 | 70 - 130 | 12 | 35 |
| o-Xylene | 0.100 | 0.1035 | | mg/Kg | | 103 | 70 - 130 | 3 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *101* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *98* | | *70 - 130* |

**Lab Sample ID: 880-64034-21 MS**
**Matrix: Solid**
**Analysis Batch: 122028**

**Client Sample ID: TH-24 (1')**
**Prep Type: Total/NA**
**Prep Batch: 121795**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U F2 F1 | 0.100 | 0.03498 | F1 | mg/Kg | | 35 | 70 - 130 |
| Toluene | <0.00200 | U F2 F1 | 0.100 | 0.03117 | F1 | mg/Kg | | 31 | 70 - 130 |
| Ethylbenzene | <0.00200 | U F2 F1 | 0.100 | 0.02735 | F1 | mg/Kg | | 27 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00399 | U F2 F1 | 0.200 | 0.03297 | F1 | mg/Kg | | 16 | 70 - 130 |
| o-Xylene | <0.00200 | U F1 | 0.100 | 0.03142 | F1 | mg/Kg | | 31 | 70 - 130 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: 880-64034-21 MS**
**Matrix: Solid**
**Analysis Batch: 122028**

**Client Sample ID: TH-24 (1')**
**Prep Type: Total/NA**
**Prep Batch: 121795**

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *88* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *93* | | *70 - 130* |

**Lab Sample ID: 880-64034-21 MSD**
**Matrix: Solid**
**Analysis Batch: 122028**

**Client Sample ID: TH-24 (1')**
**Prep Type: Total/NA**
**Prep Batch: 121795**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U F2 F1 | 0.100 | 0.01331 | F2 F1 | mg/Kg | | 13 | 70 - 130 | 90 | 35 |
| Toluene | <0.00200 | U F2 F1 | 0.100 | 0.01170 | F2 F1 | mg/Kg | | 12 | 70 - 130 | 91 | 35 |
| Ethylbenzene | <0.00200 | U F2 F1 | 0.100 | 0.01217 | F2 F1 | mg/Kg | | 12 | 70 - 130 | 77 | 35 |
| m-Xylene & p-Xylene | <0.00399 | U F2 F1 | 0.200 | 0.008217 | F2 F1 | mg/Kg | | 4 | 70 - 130 | 120 | 35 |
| o-Xylene | <0.00200 | U F1 | 0.100 | 0.02296 | F1 | mg/Kg | | 23 | 70 - 130 | 31 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *110* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *100* | | *70 - 130* |

**Lab Sample ID: MB 880-121899/5-A**
**Matrix: Solid**
**Analysis Batch: 122037**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 121899**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/25 13:15 | 10/27/25 12:22 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/25 13:15 | 10/27/25 12:22 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/25 13:15 | 10/27/25 12:22 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 10/23/25 13:15 | 10/27/25 12:22 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/25 13:15 | 10/27/25 12:22 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/23/25 13:15 | 10/27/25 12:22 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *176* | *S1+* | *70 - 130* | *10/23/25 13:15* | *10/27/25 12:22* | *1* |
| *1,4-Difluorobenzene (Surr)* | *98* | | *70 - 130* | *10/23/25 13:15* | *10/27/25 12:22* | *1* |

**Lab Sample ID: MB 880-121904/5-A**
**Matrix: Solid**
**Analysis Batch: 121944**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 121904**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/25 14:03 | 10/24/25 22:20 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/25 14:03 | 10/24/25 22:20 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/25 14:03 | 10/24/25 22:20 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 10/23/25 14:03 | 10/24/25 22:20 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/25 14:03 | 10/24/25 22:20 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/23/25 14:03 | 10/24/25 22:20 | 1 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: MB 880-121904/5-A**
**Matrix: Solid**
**Analysis Batch: 121944**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 121904**

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 | 10/23/25 14:03 | 10/24/25 22:20 | 1 |
| 1,4-Difluorobenzene (Surr) | 71 | | 70 - 130 | 10/23/25 14:03 | 10/24/25 22:20 | 1 |

**Lab Sample ID: MB 880-121907/5-A**
**Matrix: Solid**
**Analysis Batch: 122038**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 121907**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/25 14:07 | 10/27/25 12:53 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/25 14:07 | 10/27/25 12:53 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/25 14:07 | 10/27/25 12:53 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 10/23/25 14:07 | 10/27/25 12:53 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/23/25 14:07 | 10/27/25 12:53 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/23/25 14:07 | 10/27/25 12:53 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 101 | | 70 - 130 | 10/23/25 14:07 | 10/27/25 12:53 | 1 |
| 1,4-Difluorobenzene (Surr) | 91 | | 70 - 130 | 10/23/25 14:07 | 10/27/25 12:53 | 1 |

**Lab Sample ID: LCS 880-121907/1-A**
**Matrix: Solid**
**Analysis Batch: 122038**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 121907**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.1096 | | mg/Kg | | 110 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.09945 | | mg/Kg | | 99 | 70 - 130 | | |
| Ethylbenzene | | | 0.100 | 0.1032 | | mg/Kg | | 103 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.2117 | | mg/Kg | | 106 | 70 - 130 | | |
| o-Xylene | | | 0.100 | 0.1024 | | mg/Kg | | 102 | 70 - 130 | | |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 103 | | 70 - 130 |

**Lab Sample ID: LCSD 880-121907/2-A**
**Matrix: Solid**
**Analysis Batch: 122038**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 121907**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.1072 | | mg/Kg | | 107 | 70 - 130 | 2 | 35 |
| Toluene | | | 0.100 | 0.09779 | | mg/Kg | | 98 | 70 - 130 | 2 | 35 |
| Ethylbenzene | | | 0.100 | 0.1008 | | mg/Kg | | 101 | 70 - 130 | 2 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.2057 | | mg/Kg | | 103 | 70 - 130 | 3 | 35 |
| o-Xylene | | | 0.100 | 0.09966 | | mg/Kg | | 100 | 70 - 130 | 3 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: LCSD 880-121907/2-A**
**Matrix: Solid**
**Analysis Batch: 122038**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 121907**

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1,4-Difluorobenzene (Surr) | 97 | | 70 - 130 |

**Lab Sample ID: MB 880-122036/5-A**
**Matrix: Solid**
**Analysis Batch: 122025**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 122036**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/27/25 08:41 | 10/27/25 12:43 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/27/25 08:41 | 10/27/25 12:43 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/27/25 08:41 | 10/27/25 12:43 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 10/27/25 08:41 | 10/27/25 12:43 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/27/25 08:41 | 10/27/25 12:43 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/27/25 08:41 | 10/27/25 12:43 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 166 | S1+ | 70 - 130 | 10/27/25 08:41 | 10/27/25 12:43 | 1 |
| 1,4-Difluorobenzene (Surr) | 96 | | 70 - 130 | 10/27/25 08:41 | 10/27/25 12:43 | 1 |

**Lab Sample ID: LCS 880-122036/1-A**
**Matrix: Solid**
**Analysis Batch: 122025**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 122036**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1334 | *+ | mg/Kg | | 133 | 70 - 130 |
| Toluene | 0.100 | 0.1125 | | mg/Kg | | 112 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.1171 | | mg/Kg | | 117 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2402 | | mg/Kg | | 120 | 70 - 130 |
| o-Xylene | 0.100 | 0.1200 | | mg/Kg | | 120 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 121 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 |

**Lab Sample ID: LCSD 880-122036/2-A**
**Matrix: Solid**
**Analysis Batch: 122025**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 122036**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.100 | 0.1372 | *+ | mg/Kg | | 137 | 70 - 130 | 3 | 35 |
| Toluene | 0.100 | 0.1148 | | mg/Kg | | 115 | 70 - 130 | 2 | 35 |
| Ethylbenzene | 0.100 | 0.1184 | | mg/Kg | | 118 | 70 - 130 | 1 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2424 | | mg/Kg | | 121 | 70 - 130 | 1 | 35 |
| o-Xylene | 0.100 | 0.1204 | | mg/Kg | | 120 | 70 - 130 | 0 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 4-Bromofluorobenzene (Surr) | 118 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: MB 880-122100/5-A**
**Matrix: Solid**
**Analysis Batch: 122037**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 122100**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/27/25 14:54 | 10/28/25 00:00 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/27/25 14:54 | 10/28/25 00:00 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/27/25 14:54 | 10/28/25 00:00 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 10/27/25 14:54 | 10/28/25 00:00 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 10/27/25 14:54 | 10/28/25 00:00 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 10/27/25 14:54 | 10/28/25 00:00 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *153* | *S1+* | *70 - 130* | *10/27/25 14:54* | *10/28/25 00:00* | *1* |
| *1,4-Difluorobenzene (Surr)* | *89* | | *70 - 130* | *10/27/25 14:54* | *10/28/25 00:00* | *1* |

**Lab Sample ID: LCS 880-122100/1-A**
**Matrix: Solid**
**Analysis Batch: 122037**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 122100**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.09007 | | mg/Kg | | 90 | 70 - 130 | | |
| Toluene | | | 0.100 | 0.08178 | | mg/Kg | | 82 | 70 - 130 | | |
| Ethylbenzene | | | 0.100 | 0.09082 | | mg/Kg | | 91 | 70 - 130 | | |
| m-Xylene & p-Xylene | | | 0.200 | 0.1768 | | mg/Kg | | 88 | 70 - 130 | | |
| o-Xylene | | | 0.100 | 0.08859 | | mg/Kg | | 89 | 70 - 130 | | |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *94* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *101* | | *70 - 130* |

**Lab Sample ID: LCSD 880-122100/2-A**
**Matrix: Solid**
**Analysis Batch: 122037**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 122100**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | | | 0.100 | 0.09047 | | mg/Kg | | 90 | 70 - 130 | 0 | 35 |
| Toluene | | | 0.100 | 0.08584 | | mg/Kg | | 86 | 70 - 130 | 5 | 35 |
| Ethylbenzene | | | 0.100 | 0.08725 | | mg/Kg | | 87 | 70 - 130 | 4 | 35 |
| m-Xylene & p-Xylene | | | 0.200 | 0.1590 | | mg/Kg | | 79 | 70 - 130 | 11 | 35 |
| o-Xylene | | | 0.100 | 0.08907 | | mg/Kg | | 89 | 70 - 130 | 1 | 35 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene (Surr)* | *95* | | *70 - 130* |
| *1,4-Difluorobenzene (Surr)* | *99* | | *70 - 130* |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 880-121694/1-A**
**Matrix: Solid**
**Analysis Batch: 122021**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 121694**

| 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 | | 10/21/25 12:30 | 10/25/25 11:05 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 11:05 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:30 | 10/25/25 11:05 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *1-Chlorooctane* | *112* | | *70 - 130* | *10/21/25 12:30* | *10/25/25 11:05* | *1* |
| *o-Terphenyl* | *131* | *S1+* | *70 - 130* | *10/21/25 12:30* | *10/25/25 11:05* | *1* |

**Lab Sample ID: LCS 880-121694/2-A**
**Matrix: Solid**
**Analysis Batch: 122021**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 121694**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1182 | | mg/Kg | | 118 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1369 | *+ | mg/Kg | | 137 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *111* | | *70 - 130* |
| *o-Terphenyl* | *117* | | *70 - 130* |

**Lab Sample ID: LCSD 880-121694/3-A**
**Matrix: Solid**
**Analysis Batch: 122021**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 121694**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1233 | | mg/Kg | | 123 | 70 - 130 | 4 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1429 | *+ | mg/Kg | | 143 | 70 - 130 | 4 | 20 |

| *Surrogate* | *LCSD %Recovery* | *LCSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *114* | | *70 - 130* |
| *o-Terphenyl* | *121* | | *70 - 130* |

**Lab Sample ID: MB 880-121695/1-A**
**Matrix: Solid**
**Analysis Batch: 122060**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 121695**

| 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 | | 10/21/25 12:33 | 10/28/25 03:06 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 03:06 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | | mg/Kg | | 10/21/25 12:33 | 10/28/25 03:06 | 1 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: MB 880-121695/1-A**
**Matrix: Solid**
**Analysis Batch: 122060**

**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 121695**

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|
| 1-Chlorooctane | 103 | | 70 - 130 | 10/21/25 12:33 | 10/28/25 03:06 | 1 |
| o-Terphenyl | 121 | | 70 - 130 | 10/21/25 12:33 | 10/28/25 03:06 | 1 |

**Lab Sample ID: LCS 880-121695/2-A**
**Matrix: Solid**
**Analysis Batch: 122060**

**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 121695**

| 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 | 1133 | | mg/Kg | | 113 | 70 - 130 | | |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 133 | S1+ | 70 - 130 |
| o-Terphenyl | 145 | S1+ | 70 - 130 |

**Lab Sample ID: LCSD 880-121695/3-A**
**Matrix: Solid**
**Analysis Batch: 122060**

**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 121695**

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO)-C6-C10 | | | 1000 | 1188 | | mg/Kg | | 119 | 70 - 130 | 0 | 20 |
| Diesel Range Organics (Over C10-C28) | | | 1000 | 1133 | | mg/Kg | | 113 | 70 - 130 | 0 | 20 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 134 | S1+ | 70 - 130 |
| o-Terphenyl | 146 | S1+ | 70 - 130 |

**Lab Sample ID: 880-64034-19 MS**
**Matrix: Solid**
**Analysis Batch: 122060**

**Client Sample ID: TH-23 (1')**
**Prep Type: Total/NA**
**Prep Batch: 121695**

| 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 | 747.4 | | mg/Kg | | 75 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 999 | 968.4 | | mg/Kg | | 97 | 70 - 130 | | |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|---|---|---|---|
| 1-Chlorooctane | 120 | | 70 - 130 |
| o-Terphenyl | 133 | S1+ | 70 - 130 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: 880-64034-19 MSD** — **Client Sample ID: TH-23 (1')**
**Matrix: Solid** — **Prep Type: Total/NA**
**Analysis Batch: 122060** — **Prep Batch: 121695**

| 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 | 850.9 | | mg/Kg | | 85 | 70 - 130 | 13 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 999 | 1015 | | mg/Kg | | 102 | 70 - 130 | 5 | 20 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *1-Chlorooctane* | *120* | | *70 - 130* |
| *o-Terphenyl* | *130* | | *70 - 130* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 880-121704/1-A** — **Client Sample ID: Method Blank**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 121724**

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | <10.0 | U | 10.0 | | mg/Kg | | | 10/22/25 08:58 | 1 |

**Lab Sample ID: LCS 880-121704/2-A** — **Client Sample ID: Lab Control Sample**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 121724**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Chloride | 250 | 250.4 | | mg/Kg | | 100 | 90 - 110 |

**Lab Sample ID: LCSD 880-121704/3-A** — **Client Sample ID: Lab Control Sample Dup**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 121724**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 250 | 257.7 | | mg/Kg | | 103 | 90 - 110 | 3 | 20 |

**Lab Sample ID: 880-64034-4 MS** — **Client Sample ID: TH-15 (4')**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 121724**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Chloride | 125 | | 248 | 355.0 | | mg/Kg | | 93 | 90 - 110 |

**Lab Sample ID: 880-64034-4 MSD** — **Client Sample ID: TH-15 (4')**
**Matrix: Solid** — **Prep Type: Soluble**
**Analysis Batch: 121724**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 125 | | 248 | 366.0 | | mg/Kg | | 97 | 90 - 110 | 3 | 20 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: MB 880-121707/1-A**
**Matrix: Solid**
**Analysis Batch: 121732**

**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 | | mg/Kg | | | 10/22/25 12:24 | 1 |

**Lab Sample ID: LCS 880-121707/2-A**
**Matrix: Solid**
**Analysis Batch: 121732**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 259.8 | | mg/Kg | | 104 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-121707/3-A**
**Matrix: Solid**
**Analysis Batch: 121732**

**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 | 254.2 | | mg/Kg | | 102 | 90 - 110 | 2 | 20 |

**Lab Sample ID: 880-64034-14 MS**
**Matrix: Solid**
**Analysis Batch: 121732**

**Client Sample ID: TH-20 (4')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 2180 | F1 | 1240 | 3927 | F1 | mg/Kg | | 141 | 90 - 110 | | |

**Lab Sample ID: 880-64034-14 MSD**
**Matrix: Solid**
**Analysis Batch: 121732**

**Client Sample ID: TH-20 (4')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 2180 | F1 | 1240 | 3828 | F1 | mg/Kg | | 133 | 90 - 110 | 3 | 20 |

**Lab Sample ID: 880-64034-24 MS**
**Matrix: Solid**
**Analysis Batch: 121732**

**Client Sample ID: TH-25 (4')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 1950 | | 1260 | 3135 | | mg/Kg | | 94 | 90 - 110 | | |

**Lab Sample ID: 880-64034-24 MSD**
**Matrix: Solid**
**Analysis Batch: 121732**

**Client Sample ID: TH-25 (4')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 1950 | | 1260 | 3245 | | mg/Kg | | 102 | 90 - 110 | 3 | 20 |

**Lab Sample ID: MB 880-121709/1-A**
**Matrix: Solid**
**Analysis Batch: 121751**

**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 | | mg/Kg | | | 10/22/25 12:09 | 1 |

# QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: LCS 880-121709/2-A**
**Matrix: Solid**
**Analysis Batch: 121751**

**Client Sample ID: Lab Control Sample**
**Prep Type: Soluble**

| Analyte | | | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | | | 250 | 241.5 | | mg/Kg | | 97 | 90 - 110 | | |

**Lab Sample ID: LCSD 880-121709/3-A**
**Matrix: Solid**
**Analysis Batch: 121751**

**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 | 242.8 | | mg/Kg | | 97 | 90 - 110 | 1 | 20 |

**Lab Sample ID: 880-64034-34 MS**
**Matrix: Solid**
**Analysis Batch: 121751**

**Client Sample ID: TH-30 (4')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 104 | | 252 | 374.5 | | mg/Kg | | 107 | 90 - 110 | | |

**Lab Sample ID: 880-64034-34 MSD**
**Matrix: Solid**
**Analysis Batch: 121751**

**Client Sample ID: TH-30 (4')**
**Prep Type: Soluble**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 104 | | 252 | 375.2 | | mg/Kg | | 108 | 90 - 110 | 0 | 20 |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## GC VOA

### Prep Batch: 121790

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-121790/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Prep Batch: 121794

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-1 | TH-14 (1') | Total/NA | Solid | 5035 | |
| 880-64034-2 | TH-14 (4') | Total/NA | Solid | 5035 | |
| 880-64034-3 | TH-15 (1') | Total/NA | Solid | 5035 | |
| 880-64034-4 | TH-15 (4') | Total/NA | Solid | 5035 | |
| 880-64034-5 | TH-16 (1') | Total/NA | Solid | 5035 | |
| 880-64034-6 | TH-16 (4') | Total/NA | Solid | 5035 | |
| 880-64034-7 | TH-17 (1') | Total/NA | Solid | 5035 | |
| 880-64034-8 | TH-17 (4') | Total/NA | Solid | 5035 | |
| 880-64034-9 | TH-18 (1') | Total/NA | Solid | 5035 | |
| 880-64034-10 | TH-18 (4') | Total/NA | Solid | 5035 | |
| 880-64034-11 | TH-19 (1') | Total/NA | Solid | 5035 | |
| 880-64034-12 | TH-19 (4') | Total/NA | Solid | 5035 | |
| 880-64034-13 | TH-20 (1') | Total/NA | Solid | 5035 | |
| 880-64034-14 | TH-20 (4') | Total/NA | Solid | 5035 | |
| 880-64034-15 | TH-21 (1') | Total/NA | Solid | 5035 | |
| 880-64034-16 | TH-21 (4') | Total/NA | Solid | 5035 | |
| 880-64034-17 | TH-22 (1') | Total/NA | Solid | 5035 | |
| 880-64034-19 | TH-23 (1') | Total/NA | Solid | 5035 | |
| MB 880-121794/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-121794/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-121794/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-64034-1 MS | TH-14 (1') | Total/NA | Solid | 5035 | |
| 880-64034-1 MSD | TH-14 (1') | Total/NA | Solid | 5035 | |

### Prep Batch: 121795

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-21 | TH-24 (1') | Total/NA | Solid | 5035 | |
| 880-64034-22 | TH-24 (4') | Total/NA | Solid | 5035 | |
| 880-64034-23 | TH-25 (1') | Total/NA | Solid | 5035 | |
| 880-64034-24 | TH-25 (4') | Total/NA | Solid | 5035 | |
| 880-64034-25 | TH-26 (1') | Total/NA | Solid | 5035 | |
| 880-64034-26 | TH-26 (4') | Total/NA | Solid | 5035 | |
| 880-64034-27 | TH-27 (1') | Total/NA | Solid | 5035 | |
| 880-64034-28 | TH-27 (4') | Total/NA | Solid | 5035 | |
| 880-64034-29 | TH-28 (1') | Total/NA | Solid | 5035 | |
| 880-64034-30 | TH-28 (4') | Total/NA | Solid | 5035 | |
| 880-64034-31 | TH-29 (1') | Total/NA | Solid | 5035 | |
| 880-64034-32 | TH-29 (4') | Total/NA | Solid | 5035 | |
| 880-64034-33 | TH-30 (1') | Total/NA | Solid | 5035 | |
| 880-64034-34 | TH-30 (4') | Total/NA | Solid | 5035 | |
| 880-64034-35 | TH-31 (1') | Total/NA | Solid | 5035 | |
| 880-64034-36 | TH-31 (4') | Total/NA | Solid | 5035 | |
| 880-64034-37 | TH-32 (1') | Total/NA | Solid | 5035 | |
| 880-64034-38 | TH-32 (4') | Total/NA | Solid | 5035 | |
| MB 880-121795/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-121795/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-121795/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## GC VOA (Continued)

### Prep Batch: 121795 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-21 MS | TH-24 (1') | Total/NA | Solid | 5035 | |
| 880-64034-21 MSD | TH-24 (1') | Total/NA | Solid | 5035 | |

### Prep Batch: 121899

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-121899/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Prep Batch: 121904

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| MB 880-121904/5-A | Method Blank | Total/NA | Solid | 5035 | |

### Prep Batch: 121907

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-20 | TH-23 (4') | Total/NA | Solid | 5035 | |
| MB 880-121907/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-121907/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-121907/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

### Analysis Batch: 121944

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-1 | TH-14 (1') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-2 | TH-14 (4') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-3 | TH-15 (1') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-4 | TH-15 (4') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-5 | TH-16 (1') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-6 | TH-16 (4') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-7 | TH-17 (1') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-8 | TH-17 (4') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-9 | TH-18 (1') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-10 | TH-18 (4') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-11 | TH-19 (1') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-12 | TH-19 (4') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-13 | TH-20 (1') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-14 | TH-20 (4') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-15 | TH-21 (1') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-16 | TH-21 (4') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-17 | TH-22 (1') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-19 | TH-23 (1') | Total/NA | Solid | 8021B | 121794 |
| MB 880-121794/5-A | Method Blank | Total/NA | Solid | 8021B | 121794 |
| MB 880-121904/5-A | Method Blank | Total/NA | Solid | 8021B | 121904 |
| LCS 880-121794/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 121794 |
| LCSD 880-121794/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 121794 |
| 880-64034-1 MS | TH-14 (1') | Total/NA | Solid | 8021B | 121794 |
| 880-64034-1 MSD | TH-14 (1') | Total/NA | Solid | 8021B | 121794 |

### Analysis Batch: 122025

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-18 | TH-22 (4') | Total/NA | Solid | 8021B | 122036 |
| MB 880-122036/5-A | Method Blank | Total/NA | Solid | 8021B | 122036 |
| LCS 880-122036/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 122036 |
| LCSD 880-122036/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 122036 |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## GC VOA

### Analysis Batch: 122028

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-21 | TH-24 (1') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-22 | TH-24 (4') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-23 | TH-25 (1') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-24 | TH-25 (4') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-25 | TH-26 (1') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-26 | TH-26 (4') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-27 | TH-27 (1') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-28 | TH-27 (4') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-29 | TH-28 (1') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-30 | TH-28 (4') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-31 | TH-29 (1') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-32 | TH-29 (4') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-33 | TH-30 (1') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-34 | TH-30 (4') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-35 | TH-31 (1') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-36 | TH-31 (4') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-37 | TH-32 (1') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-38 | TH-32 (4') | Total/NA | Solid | 8021B | 121795 |
| MB 880-121790/5-A | Method Blank | Total/NA | Solid | 8021B | 121790 |
| MB 880-121795/5-A | Method Blank | Total/NA | Solid | 8021B | 121795 |
| LCS 880-121795/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 121795 |
| LCSD 880-121795/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 121795 |
| 880-64034-21 MS | TH-24 (1') | Total/NA | Solid | 8021B | 121795 |
| 880-64034-21 MSD | TH-24 (1') | Total/NA | Solid | 8021B | 121795 |

### Prep Batch: 122036

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-18 | TH-22 (4') | Total/NA | Solid | 5035 | |
| MB 880-122036/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-122036/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-122036/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

### Analysis Batch: 122037

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-28 | TH-27 (4') | Total/NA | Solid | 8021B | 122100 |
| MB 880-121899/5-A | Method Blank | Total/NA | Solid | 8021B | 121899 |
| MB 880-122100/5-A | Method Blank | Total/NA | Solid | 8021B | 122100 |
| LCS 880-122100/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 122100 |
| LCSD 880-122100/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 122100 |

### Analysis Batch: 122038

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-20 | TH-23 (4') | Total/NA | Solid | 8021B | 121907 |
| MB 880-121907/5-A | Method Blank | Total/NA | Solid | 8021B | 121907 |
| LCS 880-121907/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 121907 |
| LCSD 880-121907/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 121907 |

### Prep Batch: 122100

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-28 | TH-27 (4') | Total/NA | Solid | 5035 | |
| MB 880-122100/5-A | Method Blank | Total/NA | Solid | 5035 | |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## GC VOA (Continued)

### Prep Batch: 122100 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| LCS 880-122100/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-122100/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |

### Analysis Batch: 122179

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-1 | TH-14 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-2 | TH-14 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-3 | TH-15 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-4 | TH-15 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-5 | TH-16 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-6 | TH-16 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-7 | TH-17 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-8 | TH-17 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-9 | TH-18 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-10 | TH-18 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-11 | TH-19 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-12 | TH-19 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-13 | TH-20 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-14 | TH-20 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-15 | TH-21 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-16 | TH-21 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-17 | TH-22 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-18 | TH-22 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-19 | TH-23 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-20 | TH-23 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-21 | TH-24 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-22 | TH-24 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-23 | TH-25 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-24 | TH-25 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-25 | TH-26 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-26 | TH-26 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-27 | TH-27 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-28 | TH-27 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-29 | TH-28 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-30 | TH-28 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-31 | TH-29 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-32 | TH-29 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-33 | TH-30 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-34 | TH-30 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-35 | TH-31 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-36 | TH-31 (4') | Total/NA | Solid | Total BTEX | |
| 880-64034-37 | TH-32 (1') | Total/NA | Solid | Total BTEX | |
| 880-64034-38 | TH-32 (4') | Total/NA | Solid | Total BTEX | |

## GC Semi VOA

### Prep Batch: 121694

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-1 | TH-14 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-2 | TH-14 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-3 | TH-15 (1') | Total/NA | Solid | 8015NM Prep | |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## GC Semi VOA (Continued)

### Prep Batch: 121694 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-4 | TH-15 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-5 | TH-16 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-6 | TH-16 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-7 | TH-17 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-8 | TH-17 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-9 | TH-18 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-10 | TH-18 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-11 | TH-19 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-12 | TH-19 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-13 | TH-20 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-14 | TH-20 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-15 | TH-21 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-16 | TH-21 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-17 | TH-22 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-18 | TH-22 (4') | Total/NA | Solid | 8015NM Prep | |
| MB 880-121694/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-121694/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-121694/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |

### Prep Batch: 121695

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-19 | TH-23 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-20 | TH-23 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-21 | TH-24 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-22 | TH-24 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-23 | TH-25 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-24 | TH-25 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-25 | TH-26 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-26 | TH-26 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-27 | TH-27 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-28 | TH-27 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-29 | TH-28 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-30 | TH-28 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-31 | TH-29 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-32 | TH-29 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-33 | TH-30 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-34 | TH-30 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-35 | TH-31 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-36 | TH-31 (4') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-37 | TH-32 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-38 | TH-32 (4') | Total/NA | Solid | 8015NM Prep | |
| MB 880-121695/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-121695/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-121695/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-64034-19 MS | TH-23 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-64034-19 MSD | TH-23 (1') | Total/NA | Solid | 8015NM Prep | |

### Analysis Batch: 122021

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-1 | TH-14 (1') | Total/NA | Solid | 8015B NM | 121694 |
| 880-64034-2 | TH-14 (4') | Total/NA | Solid | 8015B NM | 121694 |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## GC Semi VOA (Continued)

### Analysis Batch: 122021 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-3 | TH-15 (1') | Total/NA | Solid | 8015B NM | 121694 |
| 880-64034-4 | TH-15 (4') | Total/NA | Solid | 8015B NM | 121694 |
| 880-64034-5 | TH-16 (1') | Total/NA | Solid | 8015B NM | 121694 |
| 880-64034-6 | TH-16 (4') | Total/NA | Solid | 8015B NM | 121694 |
| 880-64034-7 | TH-17 (1') | Total/NA | Solid | 8015B NM | 121694 |
| 880-64034-8 | TH-17 (4') | Total/NA | Solid | 8015B NM | 121694 |
| 880-64034-9 | TH-18 (1') | Total/NA | Solid | 8015B NM | 121694 |
| 880-64034-10 | TH-18 (4') | Total/NA | Solid | 8015B NM | 121694 |
| 880-64034-11 | TH-19 (1') | Total/NA | Solid | 8015B NM | 121694 |
| 880-64034-12 | TH-19 (4') | Total/NA | Solid | 8015B NM | 121694 |
| 880-64034-13 | TH-20 (1') | Total/NA | Solid | 8015B NM | 121694 |
| 880-64034-14 | TH-20 (4') | Total/NA | Solid | 8015B NM | 121694 |
| 880-64034-15 | TH-21 (1') | Total/NA | Solid | 8015B NM | 121694 |
| 880-64034-16 | TH-21 (4') | Total/NA | Solid | 8015B NM | 121694 |
| 880-64034-17 | TH-22 (1') | Total/NA | Solid | 8015B NM | 121694 |
| 880-64034-18 | TH-22 (4') | Total/NA | Solid | 8015B NM | 121694 |
| MB 880-121694/1-A | Method Blank | Total/NA | Solid | 8015B NM | 121694 |
| LCS 880-121694/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 121694 |
| LCSD 880-121694/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 121694 |

### Analysis Batch: 122060

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-19 | TH-23 (1') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-20 | TH-23 (4') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-21 | TH-24 (1') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-22 | TH-24 (4') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-23 | TH-25 (1') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-24 | TH-25 (4') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-25 | TH-26 (1') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-26 | TH-26 (4') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-27 | TH-27 (1') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-28 | TH-27 (4') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-29 | TH-28 (1') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-30 | TH-28 (4') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-31 | TH-29 (1') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-32 | TH-29 (4') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-33 | TH-30 (1') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-34 | TH-30 (4') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-35 | TH-31 (1') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-36 | TH-31 (4') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-37 | TH-32 (1') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-38 | TH-32 (4') | Total/NA | Solid | 8015B NM | 121695 |
| MB 880-121695/1-A | Method Blank | Total/NA | Solid | 8015B NM | 121695 |
| LCS 880-121695/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 121695 |
| LCSD 880-121695/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-19 MS | TH-23 (1') | Total/NA | Solid | 8015B NM | 121695 |
| 880-64034-19 MSD | TH-23 (1') | Total/NA | Solid | 8015B NM | 121695 |

### Analysis Batch: 122181

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-1 | TH-14 (1') | Total/NA | Solid | 8015 NM | |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## GC Semi VOA (Continued)

### Analysis Batch: 122181 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-2 | TH-14 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-3 | TH-15 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-4 | TH-15 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-5 | TH-16 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-6 | TH-16 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-7 | TH-17 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-8 | TH-17 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-9 | TH-18 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-10 | TH-18 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-11 | TH-19 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-12 | TH-19 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-13 | TH-20 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-14 | TH-20 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-15 | TH-21 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-16 | TH-21 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-17 | TH-22 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-18 | TH-22 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-19 | TH-23 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-20 | TH-23 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-21 | TH-24 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-22 | TH-24 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-23 | TH-25 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-24 | TH-25 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-25 | TH-26 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-26 | TH-26 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-27 | TH-27 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-28 | TH-27 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-29 | TH-28 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-30 | TH-28 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-31 | TH-29 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-32 | TH-29 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-33 | TH-30 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-34 | TH-30 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-35 | TH-31 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-36 | TH-31 (4') | Total/NA | Solid | 8015 NM | |
| 880-64034-37 | TH-32 (1') | Total/NA | Solid | 8015 NM | |
| 880-64034-38 | TH-32 (4') | Total/NA | Solid | 8015 NM | |

## HPLC/IC

### Leach Batch: 121704

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-1 | TH-14 (1') | Soluble | Solid | DI Leach | |
| 880-64034-2 | TH-14 (4') | Soluble | Solid | DI Leach | |
| 880-64034-3 | TH-15 (1') | Soluble | Solid | DI Leach | |
| 880-64034-4 | TH-15 (4') | Soluble | Solid | DI Leach | |
| 880-64034-5 | TH-16 (1') | Soluble | Solid | DI Leach | |
| 880-64034-6 | TH-16 (4') | Soluble | Solid | DI Leach | |
| 880-64034-7 | TH-17 (1') | Soluble | Solid | DI Leach | |
| 880-64034-8 | TH-17 (4') | Soluble | Solid | DI Leach | |
| 880-64034-9 | TH-18 (1') | Soluble | Solid | DI Leach | |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## HPLC/IC (Continued)

### Leach Batch: 121704 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-10 | TH-18 (4') | Soluble | Solid | DI Leach | |
| 880-64034-11 | TH-19 (1') | Soluble | Solid | DI Leach | |
| 880-64034-12 | TH-19 (4') | Soluble | Solid | DI Leach | |
| 880-64034-13 | TH-20 (1') | Soluble | Solid | DI Leach | |
| MB 880-121704/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-121704/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-121704/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-64034-4 MS | TH-15 (4') | Soluble | Solid | DI Leach | |
| 880-64034-4 MSD | TH-15 (4') | Soluble | Solid | DI Leach | |

### Leach Batch: 121707

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-14 | TH-20 (4') | Soluble | Solid | DI Leach | |
| 880-64034-15 | TH-21 (1') | Soluble | Solid | DI Leach | |
| 880-64034-16 | TH-21 (4') | Soluble | Solid | DI Leach | |
| 880-64034-17 | TH-22 (1') | Soluble | Solid | DI Leach | |
| 880-64034-18 | TH-22 (4') | Soluble | Solid | DI Leach | |
| 880-64034-19 | TH-23 (1') | Soluble | Solid | DI Leach | |
| 880-64034-20 | TH-23 (4') | Soluble | Solid | DI Leach | |
| 880-64034-21 | TH-24 (1') | Soluble | Solid | DI Leach | |
| 880-64034-22 | TH-24 (4') | Soluble | Solid | DI Leach | |
| 880-64034-23 | TH-25 (1') | Soluble | Solid | DI Leach | |
| 880-64034-24 | TH-25 (4') | Soluble | Solid | DI Leach | |
| 880-64034-25 | TH-26 (1') | Soluble | Solid | DI Leach | |
| 880-64034-26 | TH-26 (4') | Soluble | Solid | DI Leach | |
| 880-64034-27 | TH-27 (1') | Soluble | Solid | DI Leach | |
| 880-64034-28 | TH-27 (4') | Soluble | Solid | DI Leach | |
| 880-64034-29 | TH-28 (1') | Soluble | Solid | DI Leach | |
| 880-64034-30 | TH-28 (4') | Soluble | Solid | DI Leach | |
| 880-64034-31 | TH-29 (1') | Soluble | Solid | DI Leach | |
| 880-64034-32 | TH-29 (4') | Soluble | Solid | DI Leach | |
| 880-64034-33 | TH-30 (1') | Soluble | Solid | DI Leach | |
| MB 880-121707/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-121707/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-121707/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-64034-14 MS | TH-20 (4') | Soluble | Solid | DI Leach | |
| 880-64034-14 MSD | TH-20 (4') | Soluble | Solid | DI Leach | |
| 880-64034-24 MS | TH-25 (4') | Soluble | Solid | DI Leach | |
| 880-64034-24 MSD | TH-25 (4') | Soluble | Solid | DI Leach | |

### Leach Batch: 121709

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-34 | TH-30 (4') | Soluble | Solid | DI Leach | |
| 880-64034-35 | TH-31 (1') | Soluble | Solid | DI Leach | |
| 880-64034-36 | TH-31 (4') | Soluble | Solid | DI Leach | |
| 880-64034-37 | TH-32 (1') | Soluble | Solid | DI Leach | |
| 880-64034-38 | TH-32 (4') | Soluble | Solid | DI Leach | |
| MB 880-121709/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-121709/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-121709/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-64034-34 MS | TH-30 (4') | Soluble | Solid | DI Leach | |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## HPLC/IC (Continued)

### Leach Batch: 121709 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-34 MSD | TH-30 (4') | Soluble | Solid | DI Leach | |

### Analysis Batch: 121724

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-1 | TH-14 (1') | Soluble | Solid | 300.0 | 121704 |
| 880-64034-2 | TH-14 (4') | Soluble | Solid | 300.0 | 121704 |
| 880-64034-3 | TH-15 (1') | Soluble | Solid | 300.0 | 121704 |
| 880-64034-4 | TH-15 (4') | Soluble | Solid | 300.0 | 121704 |
| 880-64034-5 | TH-16 (1') | Soluble | Solid | 300.0 | 121704 |
| 880-64034-6 | TH-16 (4') | Soluble | Solid | 300.0 | 121704 |
| 880-64034-7 | TH-17 (1') | Soluble | Solid | 300.0 | 121704 |
| 880-64034-8 | TH-17 (4') | Soluble | Solid | 300.0 | 121704 |
| 880-64034-9 | TH-18 (1') | Soluble | Solid | 300.0 | 121704 |
| 880-64034-10 | TH-18 (4') | Soluble | Solid | 300.0 | 121704 |
| 880-64034-11 | TH-19 (1') | Soluble | Solid | 300.0 | 121704 |
| 880-64034-12 | TH-19 (4') | Soluble | Solid | 300.0 | 121704 |
| 880-64034-13 | TH-20 (1') | Soluble | Solid | 300.0 | 121704 |
| MB 880-121704/1-A | Method Blank | Soluble | Solid | 300.0 | 121704 |
| LCS 880-121704/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 121704 |
| LCSD 880-121704/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 121704 |
| 880-64034-4 MS | TH-15 (4') | Soluble | Solid | 300.0 | 121704 |
| 880-64034-4 MSD | TH-15 (4') | Soluble | Solid | 300.0 | 121704 |

### Analysis Batch: 121732

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-14 | TH-20 (4') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-15 | TH-21 (1') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-16 | TH-21 (4') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-17 | TH-22 (1') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-18 | TH-22 (4') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-19 | TH-23 (1') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-20 | TH-23 (4') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-21 | TH-24 (1') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-22 | TH-24 (4') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-23 | TH-25 (1') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-24 | TH-25 (4') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-25 | TH-26 (1') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-26 | TH-26 (4') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-27 | TH-27 (1') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-28 | TH-27 (4') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-29 | TH-28 (1') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-30 | TH-28 (4') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-31 | TH-29 (1') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-32 | TH-29 (4') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-33 | TH-30 (1') | Soluble | Solid | 300.0 | 121707 |
| MB 880-121707/1-A | Method Blank | Soluble | Solid | 300.0 | 121707 |
| LCS 880-121707/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 121707 |
| LCSD 880-121707/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 121707 |
| 880-64034-14 MS | TH-20 (4') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-14 MSD | TH-20 (4') | Soluble | Solid | 300.0 | 121707 |
| 880-64034-24 MS | TH-25 (4') | Soluble | Solid | 300.0 | 121707 |

# QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## HPLC/IC (Continued)

### Analysis Batch: 121732 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-24 MSD | TH-25 (4') | Soluble | Solid | 300.0 | 121707 |

### Analysis Batch: 121751

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 880-64034-34 | TH-30 (4') | Soluble | Solid | 300.0 | 121709 |
| 880-64034-35 | TH-31 (1') | Soluble | Solid | 300.0 | 121709 |
| 880-64034-36 | TH-31 (4') | Soluble | Solid | 300.0 | 121709 |
| 880-64034-37 | TH-32 (1') | Soluble | Solid | 300.0 | 121709 |
| 880-64034-38 | TH-32 (4') | Soluble | Solid | 300.0 | 121709 |
| MB 880-121709/1-A | Method Blank | Soluble | Solid | 300.0 | 121709 |
| LCS 880-121709/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 121709 |
| LCSD 880-121709/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 121709 |
| 880-64034-34 MS | TH-30 (4') | Soluble | Solid | 300.0 | 121709 |
| 880-64034-34 MSD | TH-30 (4') | Soluble | Solid | 300.0 | 121709 |

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-14 (1')

**Lab Sample ID: 880-64034-1**
**Matrix: Solid**
**Date Collected: 10/16/25 14:00**
**Date Received: 10/20/25 14:05**

| 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 | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 09:36 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 09:36 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/25/25 13:44 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 13:44 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 121704 | 10/21/25 13:41 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 121724 | 10/22/25 10:20 | CS | EET MID |

## Client Sample ID: TH-14 (4')

**Lab Sample ID: 880-64034-2**
**Matrix: Solid**
**Date Collected: 10/16/25 14:05**
**Date Received: 10/20/25 14:05**

| 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 | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 09:56 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 09:56 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/25/25 13:58 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 13:58 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 121704 | 10/21/25 13:41 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 121724 | 10/22/25 10:26 | CS | EET MID |

## Client Sample ID: TH-15 (1')

**Lab Sample ID: 880-64034-3**
**Matrix: Solid**
**Date Collected: 10/16/25 14:10**
**Date Received: 10/20/25 14:05**

| 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 | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 10:17 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 10:17 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/25/25 14:12 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 14:12 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 121704 | 10/21/25 13:41 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 121724 | 10/22/25 10:32 | CS | EET MID |

## Client Sample ID: TH-15 (4')

**Lab Sample ID: 880-64034-4**
**Matrix: Solid**
**Date Collected: 10/16/25 14:15**
**Date Received: 10/20/25 14:05**

| 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 | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 10:37 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 10:37 | SA | EET MID |

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# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-15 (4')

**Lab Sample ID: 880-64034-4**
**Matrix: Solid**
**Date Collected: 10/16/25 14:15**
**Date Received: 10/20/25 14:05**

| 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 | | | 122181 | 10/25/25 14:27 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 14:27 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 121704 | 10/21/25 13:41 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 121724 | 10/22/25 10:38 | CS | EET MID |

## Client Sample ID: TH-16 (1')

**Lab Sample ID: 880-64034-5**
**Matrix: Solid**
**Date Collected: 10/16/25 14:20**
**Date Received: 10/20/25 14:05**

| 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 | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 10:57 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 10:57 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/25/25 14:41 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 14:41 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 121704 | 10/21/25 13:41 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 121724 | 10/22/25 10:56 | CS | EET MID |

## Client Sample ID: TH-16 (4')

**Lab Sample ID: 880-64034-6**
**Matrix: Solid**
**Date Collected: 10/16/25 14:25**
**Date Received: 10/20/25 14:05**

| 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 | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 11:17 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 11:17 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/25/25 14:55 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 14:55 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 121704 | 10/21/25 13:41 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 121724 | 10/22/25 11:02 | CS | EET MID |

## Client Sample ID: TH-17 (1')

**Lab Sample ID: 880-64034-7**
**Matrix: Solid**
**Date Collected: 10/16/25 14:30**
**Date Received: 10/20/25 14:05**

| 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 | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 11:38 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 11:38 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/25/25 15:09 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 15:09 | FC | EET MID |

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-17 (1')
**Lab Sample ID: 880-64034-7**

**Date Collected: 10/16/25 14:30**
**Matrix: Solid**
**Date Received: 10/20/25 14:05**

| Prep 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 | 121704 | 10/21/25 13:41 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 121724 | 10/22/25 11:19 | CS | EET MID |

## Client Sample ID: TH-17 (4')
**Lab Sample ID: 880-64034-8**

**Date Collected: 10/16/25 14:35**
**Matrix: Solid**
**Date Received: 10/20/25 14:05**

| 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 | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 11:58 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 11:58 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/25/25 15:23 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 15:23 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 121704 | 10/21/25 13:41 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 121724 | 10/22/25 11:25 | CS | EET MID |

## Client Sample ID: TH-18 (1')
**Lab Sample ID: 880-64034-9**

**Date Collected: 10/16/25 14:40**
**Matrix: Solid**
**Date Received: 10/20/25 14:05**

| 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 | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 12:18 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 12:18 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/25/25 15:52 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 15:52 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 121704 | 10/21/25 13:41 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 121724 | 10/22/25 11:31 | CS | EET MID |

## Client Sample ID: TH-18 (4')
**Lab Sample ID: 880-64034-10**

**Date Collected: 10/16/25 14:45**
**Matrix: Solid**
**Date Received: 10/20/25 14:05**

| 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 | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 12:39 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 12:39 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/25/25 16:07 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 16:07 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 121704 | 10/21/25 13:41 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 121724 | 10/22/25 11:37 | CS | EET MID |

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-19 (1')

**Lab Sample ID: 880-64034-11**
**Matrix: Solid**
**Date Collected: 10/16/25 14:50**
**Date Received: 10/20/25 14:05**

| 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 | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 14:12 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 14:12 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/25/25 16:21 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 16:21 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 121704 | 10/21/25 13:41 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 121724 | 10/22/25 11:43 | CS | EET MID |

## Client Sample ID: TH-19 (4')

**Lab Sample ID: 880-64034-12**
**Matrix: Solid**
**Date Collected: 10/16/25 14:50**
**Date Received: 10/20/25 14:05**

| 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 | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 14:32 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 14:32 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/25/25 16:36 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 16:36 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.00 g | 50 mL | 121704 | 10/21/25 13:41 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 121724 | 10/22/25 11:49 | CS | EET MID |

## Client Sample ID: TH-20 (1')

**Lab Sample ID: 880-64034-13**
**Matrix: Solid**
**Date Collected: 10/16/25 15:00**
**Date Received: 10/20/25 14:05**

| 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 | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 14:53 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 14:53 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/25/25 16:50 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 16:50 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 121704 | 10/21/25 13:41 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 121724 | 10/22/25 11:54 | CS | EET MID |

## Client Sample ID: TH-20 (4')

**Lab Sample ID: 880-64034-14**
**Matrix: Solid**
**Date Collected: 10/16/25 15:05**
**Date Received: 10/20/25 14:05**

| 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 | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 15:13 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 15:13 | SA | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-20 (4')
**Date Collected: 10/16/25 15:05**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-14
**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 | | | 122181 | 10/25/25 17:04 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 17:04 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 121732 | 10/22/25 12:41 | CS | EET MID |

## Client Sample ID: TH-21 (1')
**Date Collected: 10/16/25 15:10**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-15
**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 | | | 5.00 g | 5 mL | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 15:33 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 15:33 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/25/25 17:18 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 17:18 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 12:59 | CS | EET MID |

## Client Sample ID: TH-21 (4')
**Date Collected: 10/16/25 15:15**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-16
**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 | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 15:54 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 15:54 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/25/25 17:32 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 17:32 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 13:05 | CS | EET MID |

## Client Sample ID: TH-22 (1')
**Date Collected: 10/16/25 15:20**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-17
**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 | | | 4.98 g | 5 mL | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 16:14 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 16:14 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/25/25 17:46 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122021 | 10/25/25 17:46 | FC | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-22 (1')
**Date Collected: 10/16/25 15:20**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-17
**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 | | | 5.03 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 13:11 | CS | EET MID |

## Client Sample ID: TH-22 (4')
**Date Collected: 10/16/25 15:25**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-18
**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 | | | 4.97 g | 5 mL | 122036 | 10/27/25 12:36 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122025 | 10/27/25 16:00 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/27/25 16:00 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/25/25 18:01 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 121694 | 10/21/25 12:30 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 122021 | 10/25/25 18:01 | FC | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 13:17 | CS | EET MID |

## Client Sample ID: TH-23 (1')
**Date Collected: 10/16/25 15:30**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-19
**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 | | | 5.01 g | 5 mL | 121794 | 10/22/25 13:18 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 121944 | 10/25/25 16:55 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/25/25 16:55 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 03:49 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122060 | 10/28/25 03:49 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 13:34 | CS | EET MID |

## Client Sample ID: TH-23 (4')
**Date Collected: 10/16/25 15:35**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-20
**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 | | | 4.97 g | 5 mL | 121907 | 10/23/25 14:07 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122038 | 10/27/25 14:57 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/27/25 14:57 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 04:32 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122060 | 10/28/25 04:32 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 5.00 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 13:40 | CS | EET MID |

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-24 (1')
**Date Collected: 10/16/25 15:40**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-21
**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 | | | 5.01 g | 5 mL | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122028 | 10/26/25 22:49 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/26/25 22:49 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 04:46 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 122060 | 10/28/25 04:46 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 13:46 | CS | EET MID |

## Client Sample ID: TH-24 (4')
**Date Collected: 10/16/25 15:45**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-22
**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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122028 | 10/26/25 23:09 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/26/25 23:09 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 05:01 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 122060 | 10/28/25 05:01 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 4.99 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 13:52 | CS | EET MID |

## Client Sample ID: TH-25 (1')
**Date Collected: 10/16/25 15:50**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-23
**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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122028 | 10/26/25 23:30 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/26/25 23:30 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 05:15 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122060 | 10/28/25 05:15 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 13:58 | CS | EET MID |

## Client Sample ID: TH-25 (4')
**Date Collected: 10/16/25 15:55**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-24
**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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 25 | 5 mL | 5 mL | 122028 | 10/27/25 01:12 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/27/25 01:12 | SA | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-25 (4')
**Date Collected: 10/16/25 15:55**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-24
**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 | | | 122181 | 10/28/25 05:30 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 122060 | 10/28/25 05:30 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 121732 | 10/22/25 14:04 | CS | EET MID |

## Client Sample ID: TH-26 (1')
**Date Collected: 10/16/25 16:00**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-25
**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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122028 | 10/26/25 23:50 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/26/25 23:50 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 05:45 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122060 | 10/28/25 05:45 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 14:21 | CS | EET MID |

## Client Sample ID: TH-26 (4')
**Date Collected: 10/16/25 16:05**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-26
**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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122028 | 10/27/25 00:10 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/27/25 00:10 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 05:58 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122060 | 10/28/25 05:58 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 14:27 | CS | EET MID |

## Client Sample ID: TH-27 (1')
**Date Collected: 10/16/25 16:10**
**Date Received: 10/20/25 14:05**

## Lab Sample ID: 880-64034-27
**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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 25 | 5 mL | 5 mL | 122028 | 10/27/25 01:32 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/27/25 01:32 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 06:12 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 122060 | 10/28/25 06:12 | SA | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-27 (1')

**Lab Sample ID: 880-64034-27**

**Date Collected: 10/16/25 16:10**
**Matrix: Solid**
**Date Received: 10/20/25 14:05**

| Prep 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 | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 14:45 | CS | EET MID |

## Client Sample ID: TH-27 (4')

**Lab Sample ID: 880-64034-28**

**Date Collected: 10/16/25 16:15**
**Matrix: Solid**
**Date Received: 10/20/25 14:05**

| 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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 25 | 5 mL | 5 mL | 122028 | 10/27/25 01:53 | MNR | EET MID |
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 122100 | 10/27/25 14:54 | AA | EET MID |
| Total/NA | Analysis | 8021B | | 250 | 5 mL | 5 mL | 122037 | 10/28/25 08:54 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/27/25 01:53 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 06:28 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.00 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 122060 | 10/28/25 06:28 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 5.00 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 14:51 | CS | EET MID |

## Client Sample ID: TH-28 (1')

**Lab Sample ID: 880-64034-29**

**Date Collected: 10/16/25 16:20**
**Matrix: Solid**
**Date Received: 10/20/25 14:05**

| 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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122028 | 10/27/25 00:31 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/27/25 00:31 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 06:56 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122060 | 10/28/25 06:56 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 15:10 | CS | EET MID |

## Client Sample ID: TH-28 (4')

**Lab Sample ID: 880-64034-30**

**Date Collected: 10/16/25 16:25**
**Matrix: Solid**
**Date Received: 10/20/25 14:05**

| 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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122028 | 10/27/25 00:51 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/27/25 00:51 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 07:11 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122060 | 10/28/25 07:11 | SA | EET MID |

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-28 (4')

**Lab Sample ID: 880-64034-30**

**Date Collected: 10/16/25 16:25**
**Date Received: 10/20/25 14:05**

**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 | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 5 | | | 121732 | 10/22/25 14:58 | CS | EET MID |

## Client Sample ID: TH-29 (1')

**Lab Sample ID: 880-64034-31**

**Date Collected: 10/16/25 16:30**
**Date Received: 10/20/25 14:05**

**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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122028 | 10/27/25 03:43 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/27/25 03:43 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 07:26 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 122060 | 10/28/25 07:26 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 15:04 | CS | EET MID |

## Client Sample ID: TH-29 (4')

**Lab Sample ID: 880-64034-32**

**Date Collected: 10/16/25 21:06**
**Date Received: 10/20/25 14:05**

**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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122028 | 10/27/25 04:03 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/27/25 04:03 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 07:40 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 5 | 1 uL | 1 uL | 122060 | 10/28/25 07:40 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 4.97 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 15:16 | CS | EET MID |

## Client Sample ID: TH-30 (1')

**Lab Sample ID: 880-64034-33**

**Date Collected: 10/16/25 16:40**
**Date Received: 10/20/25 14:05**

**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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122028 | 10/27/25 04:23 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/27/25 04:23 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 07:54 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122060 | 10/28/25 07:54 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 121707 | 10/21/25 13:46 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121732 | 10/22/25 15:22 | CS | EET MID |

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-30 (4')

**Lab Sample ID: 880-64034-34**
**Matrix: Solid**
**Date Collected: 10/16/25 16:43**
**Date Received: 10/20/25 14:05**

| 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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122028 | 10/27/25 04:44 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/27/25 04:44 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 08:08 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122060 | 10/28/25 08:08 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 4.96 g | 50 mL | 121709 | 10/21/25 13:49 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121751 | 10/22/25 12:25 | CS | EET MID |

## Client Sample ID: TH-31 (1')

**Lab Sample ID: 880-64034-35**
**Matrix: Solid**
**Date Collected: 10/16/25 16:35**
**Date Received: 10/20/25 14:05**

| 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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122028 | 10/27/25 05:04 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/27/25 05:04 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 08:22 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.05 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122060 | 10/28/25 08:22 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 121709 | 10/21/25 13:49 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121751 | 10/22/25 12:41 | CS | EET MID |

## Client Sample ID: TH-31 (4')

**Lab Sample ID: 880-64034-36**
**Matrix: Solid**
**Date Collected: 10/16/25 16:40**
**Date Received: 10/20/25 14:05**

| 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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122028 | 10/27/25 05:25 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/27/25 05:25 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 08:37 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122060 | 10/28/25 08:37 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 121709 | 10/21/25 13:49 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121751 | 10/22/25 12:46 | CS | EET MID |

## Client Sample ID: TH-32 (1')

**Lab Sample ID: 880-64034-37**
**Matrix: Solid**
**Date Collected: 10/16/25 16:45**
**Date Received: 10/20/25 14:05**

| 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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122028 | 10/27/25 05:45 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/27/25 05:45 | SA | EET MID |

Eurofins Midland

# Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

## Client Sample ID: TH-32 (1')

**Lab Sample ID: 880-64034-37**
**Matrix: Solid**
**Date Collected: 10/16/25 16:45**
**Date Received: 10/20/25 14:05**

| 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 | | | 122181 | 10/28/25 08:51 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122060 | 10/28/25 08:51 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 121709 | 10/21/25 13:49 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121751 | 10/22/25 12:51 | CS | EET MID |

## Client Sample ID: TH-32 (4')

**Lab Sample ID: 880-64034-38**
**Matrix: Solid**
**Date Collected: 10/16/25 16:50**
**Date Received: 10/20/25 14:05**

| 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 | 121795 | 10/22/25 13:21 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 122028 | 10/27/25 06:06 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 122179 | 10/27/25 06:06 | SA | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 122181 | 10/28/25 09:05 | SA | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 121695 | 10/21/25 12:33 | EL | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 122060 | 10/28/25 09:05 | SA | EET MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 121709 | 10/21/25 13:49 | SA | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 121751 | 10/22/25 12:56 | CS | EET MID |

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., 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 | 06-30-26 |

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: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., 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: Crain Environmental
Project/Site: Lamunyon 56 (CTB)

Job ID: 880-64034-1
SDG: Lea Co., NM

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Sample Origin |
|---|---|---|---|---|---|
| 880-64034-1 | TH-14 (1') | Solid | 10/16/25 14:00 | 10/20/25 14:05 | Texas |
| 880-64034-2 | TH-14 (4') | Solid | 10/16/25 14:05 | 10/20/25 14:05 | Texas |
| 880-64034-3 | TH-15 (1') | Solid | 10/16/25 14:10 | 10/20/25 14:05 | Texas |
| 880-64034-4 | TH-15 (4') | Solid | 10/16/25 14:15 | 10/20/25 14:05 | Texas |
| 880-64034-5 | TH-16 (1') | Solid | 10/16/25 14:20 | 10/20/25 14:05 | Texas |
| 880-64034-6 | TH-16 (4') | Solid | 10/16/25 14:25 | 10/20/25 14:05 | Texas |
| 880-64034-7 | TH-17 (1') | Solid | 10/16/25 14:30 | 10/20/25 14:05 | Texas |
| 880-64034-8 | TH-17 (4') | Solid | 10/16/25 14:35 | 10/20/25 14:05 | Texas |
| 880-64034-9 | TH-18 (1') | Solid | 10/16/25 14:40 | 10/20/25 14:05 | Texas |
| 880-64034-10 | TH-18 (4') | Solid | 10/16/25 14:45 | 10/20/25 14:05 | Texas |
| 880-64034-11 | TH-19 (1') | Solid | 10/16/25 14:50 | 10/20/25 14:05 | Texas |
| 880-64034-12 | TH-19 (4') | Solid | 10/16/25 14:50 | 10/20/25 14:05 | Texas |
| 880-64034-13 | TH-20 (1') | Solid | 10/16/25 15:00 | 10/20/25 14:05 | Texas |
| 880-64034-14 | TH-20 (4') | Solid | 10/16/25 15:05 | 10/20/25 14:05 | Texas |
| 880-64034-15 | TH-21 (1') | Solid | 10/16/25 15:10 | 10/20/25 14:05 | Texas |
| 880-64034-16 | TH-21 (4') | Solid | 10/16/25 15:15 | 10/20/25 14:05 | Texas |
| 880-64034-17 | TH-22 (1') | Solid | 10/16/25 15:20 | 10/20/25 14:05 | Texas |
| 880-64034-18 | TH-22 (4') | Solid | 10/16/25 15:25 | 10/20/25 14:05 | Texas |
| 880-64034-19 | TH-23 (1') | Solid | 10/16/25 15:30 | 10/20/25 14:05 | Texas |
| 880-64034-20 | TH-23 (4') | Solid | 10/16/25 15:35 | 10/20/25 14:05 | Texas |
| 880-64034-21 | TH-24 (1') | Solid | 10/16/25 15:40 | 10/20/25 14:05 | Texas |
| 880-64034-22 | TH-24 (4') | Solid | 10/16/25 15:45 | 10/20/25 14:05 | Texas |
| 880-64034-23 | TH-25 (1') | Solid | 10/16/25 15:50 | 10/20/25 14:05 | Texas |
| 880-64034-24 | TH-25 (4') | Solid | 10/16/25 15:55 | 10/20/25 14:05 | Texas |
| 880-64034-25 | TH-26 (1') | Solid | 10/16/25 16:00 | 10/20/25 14:05 | Texas |
| 880-64034-26 | TH-26 (4') | Solid | 10/16/25 16:05 | 10/20/25 14:05 | Texas |
| 880-64034-27 | TH-27 (1') | Solid | 10/16/25 16:10 | 10/20/25 14:05 | Texas |
| 880-64034-28 | TH-27 (4') | Solid | 10/16/25 16:15 | 10/20/25 14:05 | Texas |
| 880-64034-29 | TH-28 (1') | Solid | 10/16/25 16:20 | 10/20/25 14:05 | Texas |
| 880-64034-30 | TH-28 (4') | Solid | 10/16/25 16:25 | 10/20/25 14:05 | Texas |
| 880-64034-31 | TH-29 (1') | Solid | 10/16/25 16:30 | 10/20/25 14:05 | Texas |
| 880-64034-32 | TH-29 (4') | Solid | 10/16/25 21:06 | 10/20/25 14:05 | Texas |
| 880-64034-33 | TH-30 (1') | Solid | 10/16/25 16:40 | 10/20/25 14:05 | Texas |
| 880-64034-34 | TH-30 (4') | Solid | 10/16/25 16:43 | 10/20/25 14:05 | Texas |
| 880-64034-35 | TH-31 (1') | Solid | 10/16/25 16:35 | 10/20/25 14:05 | Texas |
| 880-64034-36 | TH-31 (4') | Solid | 10/16/25 16:40 | 10/20/25 14:05 | Texas |
| 880-64034-37 | TH-32 (1') | Solid | 10/16/25 16:45 | 10/20/25 14:05 | Texas |
| 880-64034-38 | TH-32 (4') | Solid | 10/16/25 16:50 | 10/20/25 14:05 | Texas |

eurofins | Environment Testing Xenco

# 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

880-64034 Chain of Custody

www.xenco.com



| | | | |
|---|---|---|---|
| Project Manager: | Cindy Crain | Bill to: (if different) | David Schellstede |
| Company Name: | Crain Environmental | Company Name: | FAE II |
| Address: | 2925 East 17th Street | Address: | 11757 Katy Frwy., Ste 725 |
| City, State ZIP: | Odessa, TX 79761 | City, State ZIP: | Houston, TX 77079 |
| Phone: | (575) 441-7244 | Email: | cindy.crain@gmail.com; david@faenergyus.com |

**Work Order Comments**

Program: UST/PST ☐ RP ☐ Brownfields RR ☐ Superfund ☐
State of Project: NM
Reporting: Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Lamunyon 56 (CTB) | Turn Around | |
| Project Number: | NA | ☑ Routine ☐ Rush | |
| Project Location: | Lea Co., NM | Due Date: | |
| Sampler's Name: | Cindy Crain | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | NA | | |

| SAMPLE RECEIPT | | | |
|---|---|---|---|
| Temp Blank: | Yes (No) | Wet Ice: | (Yes) No |
| Samples Received Intact: | (Yes) No | Thermometer ID: | TH-4 |
| Cooler Custody Seals: | Yes No (N/A) | Correction Factor: | -1 |
| Sample Custody Seals: | Yes No (N/A) | Temperature Reading: | -0.4 |
| Total Containers: | | Corrected Temperature: | -0.5 |

Pres. Code

Parameters

ANALYSIS REQUEST

**Preservative Codes**

None: NO — DI Water: $H_2O$
Cool: Cool — MeOH: Me
HCL: HC — $HNO_3$: HN
$H_2SO_4$: $H_2$ — NaOH: Na
$H_3PO_4$: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | TPH 8015 M | BTEX | Chlorides | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| TH-14 (1') | S | 10/16/2025 | 1400 | 1' | G | 1 | X | X | X | |
| TH-14 (4') | S | 10/16/2025 | 1405 | 4' | G | 1 | X | X | X | |
| TH-15 (1') | S | 10/16/2025 | 1410 | 1' | G | 1 | X | X | X | |
| TH-15 (4') | S | 10/16/2025 | 1415 | 4' | G | 1 | X | X | X | |
| TH-16 (1') | S | 10/16/2025 | 1420 | 1' | G | 1 | X | X | X | |
| TH-16 (4') | S | 10/16/2025 | 1425 | 4' | G | 1 | X | X | X | |
| TH-17 (1') | S | 10/16/2025 | 1430 | 1' | G | 1 | X | X | X | |
| TH-17 (4') | S | 10/16/2025 | 1435 | 4' | G | 1 | X | X | X | |
| TH-18 (1') | S | 10/16/2025 | 1440 | 1' | G | 1 | X | X | X | |
| TH-18 (4') | S | 10/16/2025 | 1445 | 4' | G | 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 Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471



| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 Cindy Crain | | 10/16/25 1405 | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date: 08/25/2020 Rev. 2020.2

eurofins | Environment Testing Xenco

# 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

**Work Order No:** _____

www.xenco.com



| | | | |
|---|---|---|---|
| Project Manager: | Cindy Crain | Bill to: (if different) | David Schellstede |
| Company Name: | Crain Environmental | Company Name: | FAE II |
| Address: | 2925 East 17th Street | Address: | 11757 Katy Frwy., Ste 725 |
| City, State ZIP: | Odessa, TX 79761 | City, State ZIP | Houston, TX 77079 |
| Phone: | (575) 441-7244 | Email: | cindy.crain@gmail.com; david@faenergyus.com |

**Work Order Comments**

Program: UST/PST ☐ RP ☐ Brownfields RRC ☐ Superfund ☐
State of Project: NM
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

| | | | |
|---|---|---|---|
| Project Name: | Lamunyon 56 (CTB) | Turn Around | |
| Project Number: | NA | ☑ Routine ☐ Rush | |
| Project Location: | Lea Co., NM | Due Date: | |
| Sampler's Name: | Cindy Crain | TAT starts the day received by the lab, if received by 4:30pm | |
| PO #: | 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 | Correction Factor: | | |
| Sample Custody Seals: | Yes No N/A | Temperature Reading: | | |
| Total Containers: | | Corrected Temperature: | | |

**Preservative Codes**

None: NO; DI Water: $H_2O$; Cool: Cool; MeOH: Me; HCL: HC; $HNO_3$: HN; $H_2SO_4$: $H_2$; NaOH: Na; $H_3PO_4$: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/ Comp | # of Cont | Pres. Code | Parameters: TPH 8015 M | BTEX | Chlorides | Sample Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TH-19 (1') | S | 10/16/2025 | 1450 | 1' | G | 1 | | X | X | X | |
| TH-19 (4') | S | 10/16/2025 | 1450 | 4' | G | 1 | | X | X | X | |
| TH-20 (1') | S | 10/16/2025 | 1500 | 1' | G | 1 | | X | X | X | |
| TH-20 (4') | S | 10/16/2025 | 1505 | 4' | G | 1 | | X | X | X | |
| TH-21 (1') | S | 10/16/2025 | 1510 | 1' | G | 1 | | X | X | X | |
| TH-21 (4') | S | 10/16/2025 | 1515 | 4' | G | 1 | | X | X | X | |
| TH-22 (1') | S | 10/16/2025 | 1520 | 1' | G | 1 | | X | X | X | |
| TH-22 (4') | S | 10/16/2025 | 1525 | 4' | G | 1 | | X | X | X | |
| TH-23 (1') | S | 10/16/2025 | 1530 | 1' | G | 1 | | X | X | X | |
| TH-23 (4') | S | 10/16/2025 | 1535 | 4' | G | 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 Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471



| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|---|---|---|---|---|---|
| 1 Cindy Crain | | 10/20/25 1405 | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date: 08/25/2020 Rev. 2020.2

# Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-64034-1
SDG Number: Lea Co., NM

**Login Number: 64034**
**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 | |

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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

| | |
|---|---|
| Operator:<br>FAE II Operating LLC<br>11757 Katy Freeway, Suite 725<br>Houston, TX 77079 | OGRID:<br>329326 |
| | Action Number:<br>530487 |
| | Action Type:<br>[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

**QUESTIONS**

| **Prerequisites** | |
|---|---|
| Incident ID (n#) | **nRM2033632817** |
| Incident Name | **NRM2033632817 OXY C E LAMUNYON # I CTB @ FTO1511157910** |
| Incident Type | **Release Other** |
| Incident Status | **Remediation Closure Report Received** |
| Incident Facility | **[fTO1511157910] LAMUNYONCTB** |

| **Location of Release Source** | |
|---|---|
| *Please answer all the questions in this group.* | |
| Site Name | OXY C E LAMUNYON # I CTB |
| Date Release Discovered | 11/14/2020 |
| Surface Owner | Private |

| **Incident Details** | |
|---|---|
| *Please answer all the questions in this group.* | |
| Incident Type | Release Other |
| 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 \| Pump \| Crude Oil \| Released: 6 BBL \| Recovered: 2 BBL \| Lost: 4 BBL. |
| Produced Water Released (bbls) Details | Cause: Equipment Failure \| Pump \| Produced Water \| Released: 4 BBL \| Recovered: 1 BBL \| Lost: 3 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l | No |
| 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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## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>FAE II Operating LLC<br>11757 Katy Freeway, Suite 725<br>Houston, TX 77079 | OGRID:<br>329326 |
| | Action Number:<br>530487 |
| | Action Type:<br>[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

**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: Cindy Crain<br>Email: cindy.crain@gmail.com<br>Date: 11/30/2025 |

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## QUESTIONS (continued)

| | |
|---|---|
| Operator:<br>FAE II Operating LLC<br>11757 Katy Freeway, Suite 725<br>Houston, TX 77079 | OGRID:<br>329326 |
| | Action Number:<br>530487 |
| | Action Type:<br>[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

**QUESTIONS**

| **Site Characterization** | |
|---|---|
| *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.* | |
| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 75 and 100 (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 1 and 5 (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Between 1 and 5 (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 1 and 5 (mi.) |
| Any other fresh water well or spring | Greater than 5 (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Greater than 5 (mi.) |
| A wetland | Between 1 and 5 (mi.) |
| A subsurface mine | Greater than 5 (mi.) |
| An (non-karst) unstable area | Greater than 5 (mi.) |
| Categorize the risk of this well / site being in a karst geology | Low |
| A 100-year floodplain | Between 1 and 5 (mi.) |
| Did the release impact areas not on an exploration, development, production, or storage site | No |

| **Remediation Plan** | |
|---|---|
| *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.* | |
| Requesting a remediation plan approval with this submission | Yes |
| *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.* | |
| 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) | 2460 |
| TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) | 13600 |
| GRO+DRO (EPA SW-846 Method 8015M) | 13350 |
| BTEX (EPA SW-846 Method 8021B or 8260B) | 0 |
| Benzene (EPA SW-846 Method 8021B or 8260B) | 0 |
| | |
| *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.* | |
| On what estimated date will the remediation commence | 01/12/2026 |
| On what date will (or did) the final sampling or liner inspection occur | 03/16/2026 |
| On what date will (or was) the remediation complete(d) | 05/29/2026 |
| What is the estimated surface area (in square feet) that will be reclaimed | 38000 |
| What is the estimated volume (in cubic yards) that will be reclaimed | 5630 |
| What is the estimated surface area (in square feet) that will be remediated | 38000 |
| What is the estimated volume (in cubic yards) that will be remediated | 5630 |
| *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.* | |
| *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.* | |

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## QUESTIONS (continued)

| | |
|---|---|
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| | Action Number:<br>530487 |
| | Action Type:<br>[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

**QUESTIONS**

| | |
|---|---|
| **Remediation Plan (continued)** | |
| *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.* | |
| **This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:** | |
| *(Select all answers below that apply.)* | |
| (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 | fAB0000000061 TNM-55-95 |
| **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 | *Not answered.* |
| **OR** is the **off-site** disposal site, to be used, an NMED facility | *Not answered.* |
| (Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms) | *Not answered.* |
| (In Situ) Soil Vapor Extraction | *Not answered.* |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | *Not answered.* |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | *Not answered.* |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | *Not answered.* |
| Ground Water Abatement pursuant to 19.15.30 NMAC | *Not answered.* |
| OTHER (Non-listed remedial process) | *Not answered.* |
| *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 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: Cindy Crain<br>Email: cindy.crain@gmail.com<br>Date: 11/30/2025 |
| *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.* | |

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## QUESTIONS (continued)

| | |
|---|---|
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| | Action Number:<br>530487 |
| | Action Type:<br>[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

**QUESTIONS**

| **Deferral Requests Only**<br>*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.* | |
|---|---|
| Requesting a deferral of the remediation closure due date with the approval of this submission | No |

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## QUESTIONS (continued)

| | |
|---|---|
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| | Action Number:<br>530487 |
| | Action Type:<br>[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

**QUESTIONS**

| **Sampling Event Information** | |
|---|---|
| Last sampling notification (C-141N) recorded | ***{Unavailable.}*** |

| **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

| | |
|---|---|
| Operator:<br>FAE II Operating LLC<br>11757 Katy Freeway, Suite 725<br>Houston, TX 77079 | OGRID:<br>329326 |
| | Action Number:<br>530487 |
| | Action Type:<br>[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| michael.buchanan | The Revised Site Characterization Report and Remediation Work Plan is approved to include the following conditions. 1. Confirmation samples from the walls and base must be sampled for ALL constituents listed in Table 1. of 19.15.29 NMAC, as benzene and BTEX are present and measurable in TH-27. 2. It is noted on page 8 of the PDF that CP 00375 was not properly capped when measured. Please note that any groundwater well utilized by direct water level measurement for future incidents must be properly capped and in good condition or may be subject to not being accepted. 2. Horizontal and vertical delineation may be achieved through excavation activities as proposed in the work plan. 3. At this time, the 180-day extension request is not approved, as the furthest out OCD will approve extension requests are in 90-day increments. Please submit a closure report to the OCD in 90-days, no later than 03/09/2026. | 12/3/2025 |