

Released Volume Calculation

Length	170 feet
Width	74 feet
Thickness	0.5 in

6,290 gal = 150 Est. Total Bbls Released

Volume = L*W*T

Total Released Volume =	6,290 gallons (US, dry)
	150 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:

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A handwritten signature in blue ink that reads 'Cynthia K. Crain'.

Cynthia K. Crain, P.G.



Table of Contents

1.0	INTRODUCTION.....	1
2.0	BACKGROUND.....	1
3.0	NMOCD CLOSURE CRITERIA	2
3.1	Groundwater Evaluation	2
3.2	Surface Features and Other Development	3
3.3	Wetlands, Floodplain, and Karst Geology	4
3.4	Closure Criteria Currently Assumed Applicable to the Site	4
4.0	SITE ASSESSMENT/CHARACTERIZATION RESULTS	5
4.1	Site Map	5
4.2	Depth to Groundwater.....	5
4.3	Wellhead Protection Area	5
4.4	Distance to Nearest Significant Watercourse	5
4.5	Initial Delineation Activities	5
4.6	Additional Delineation Activities	6
4.7	Laboratory Analytical Data Quality Assurance/Quality Control Results	7
5.0	PROPOSED REMEDIATION WORKPLAN	7
6.0	SCHEDULE OF IMPLEMENTATION	8
7.0	DISTRIBUTION.....	8

TABLES

Table 1: Summary of Soil Sample Analytical Results

FIGURES

Figure 1 – Site Location Map
 Figure 2 – Sample Location Map
 Figure 3 – Wellhead Protection Area Map
 Figure 4 – National Wetlands Inventory Map
 Figure 5 – FEMA Floodplain Map
 Figure 6 – Karst Potential Map
 Figure 7 – Sample Location Map

APPENDICES

Appendix A – NMOCD Correspondence
 Appendix B – NMOSE Point of Diversion Summaries and USGS Well Data
 Appendix C – Photographic Documentation
 Appendix D – Laboratory Report and Chain-of-Custody Documentation

Lamunyon 56 (Central Tank Battery) Oil Releases
 Revised Site Characterization Report and Remediation Workplan



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 (ft²). 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

Lamunyon 56 (Central Tank Battery) Oil Releases
Revised Site Characterization Report and Remediation Workplan



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.
 - o 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).
 - o 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.
 - o 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.
 - o 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.
 - o 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.
 - o 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.
 - o 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 ft², 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
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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

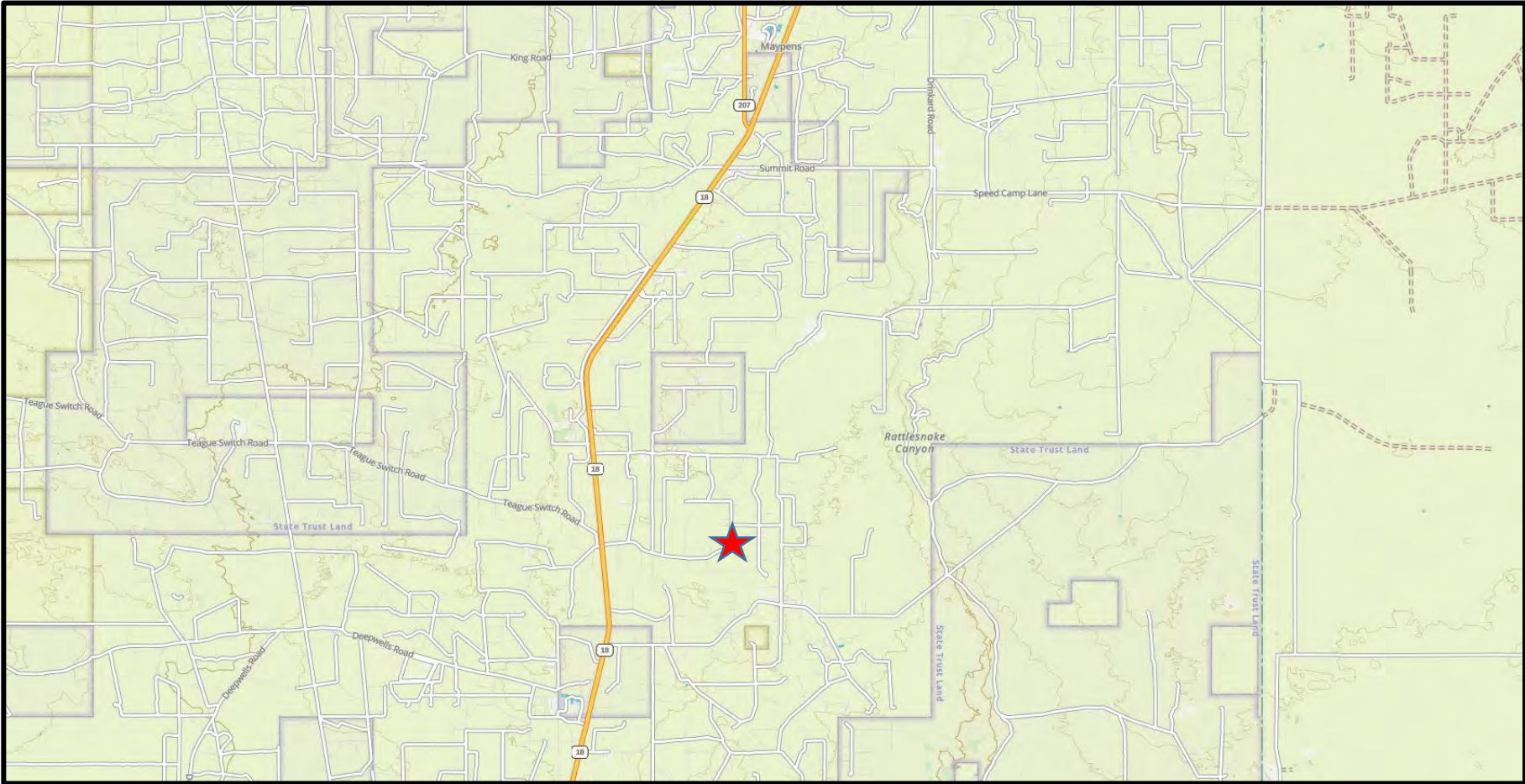
TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
FAE II OPERATING, LLC
LAMUNYON 56 / CENTRAL TANK BATTERY
NMOCD INCIDENT #s nAPP2412157442, nOY1831238090, nRM2033632817, and nSAP0334425865

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

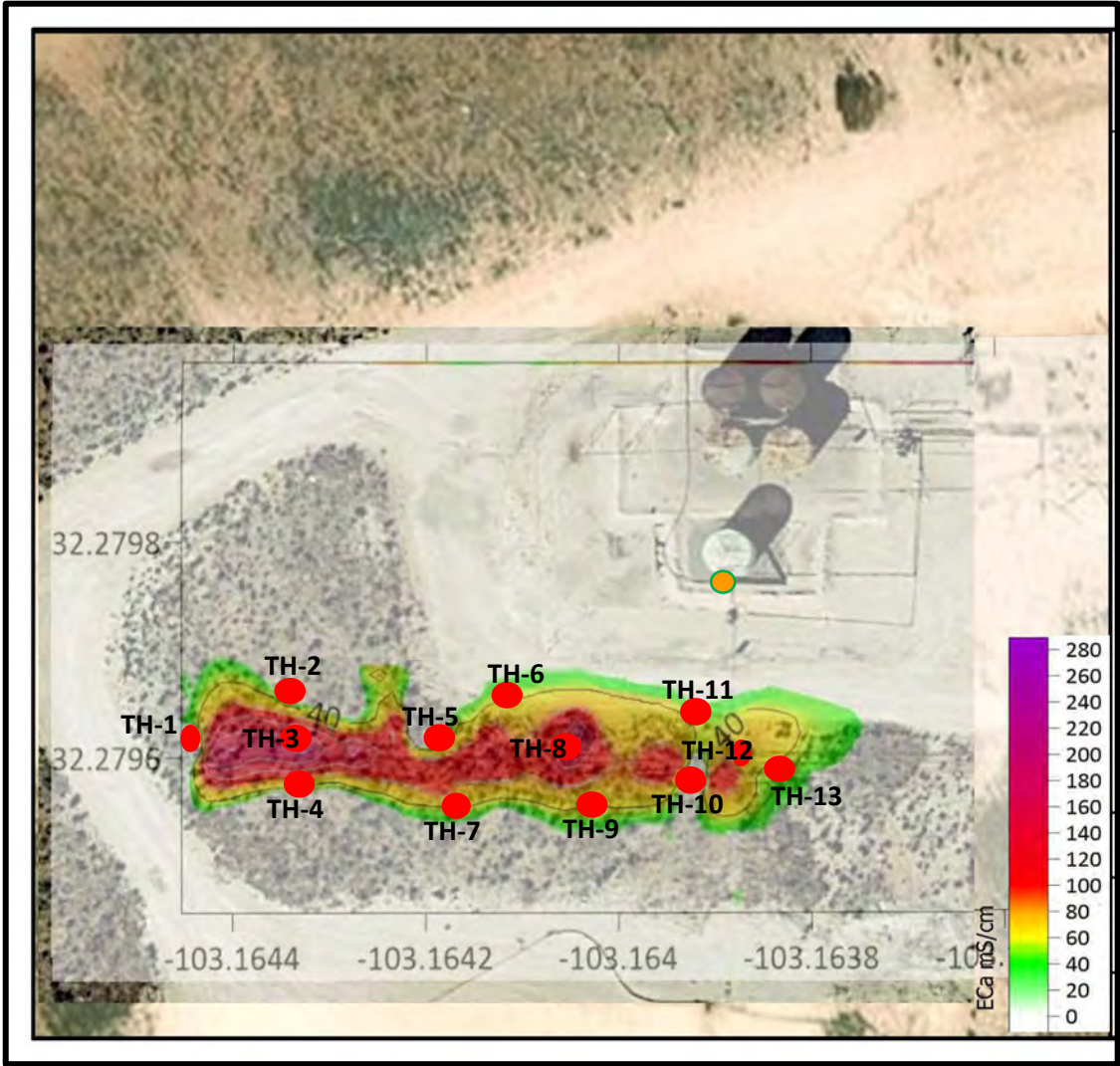
- Notes:
- 1. GRO: Gasoline Range Organics
 - 2. DRO: Diesel Range Organics
 - 3. MRO: Motor Oil Range Organics
 - 4. -: No NMOCD Closure Criteria established.
 - 5. bgs: Below Ground Surface
 - 6. Bold indicates the COC was above the appropriate laboratory method/sample detection limit.
 - 7. < indicates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



FIGURES



LEGEND:  Site Location Base Map From GAIA GPS	Figure 1 Site Location 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°	



LEGEND:

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

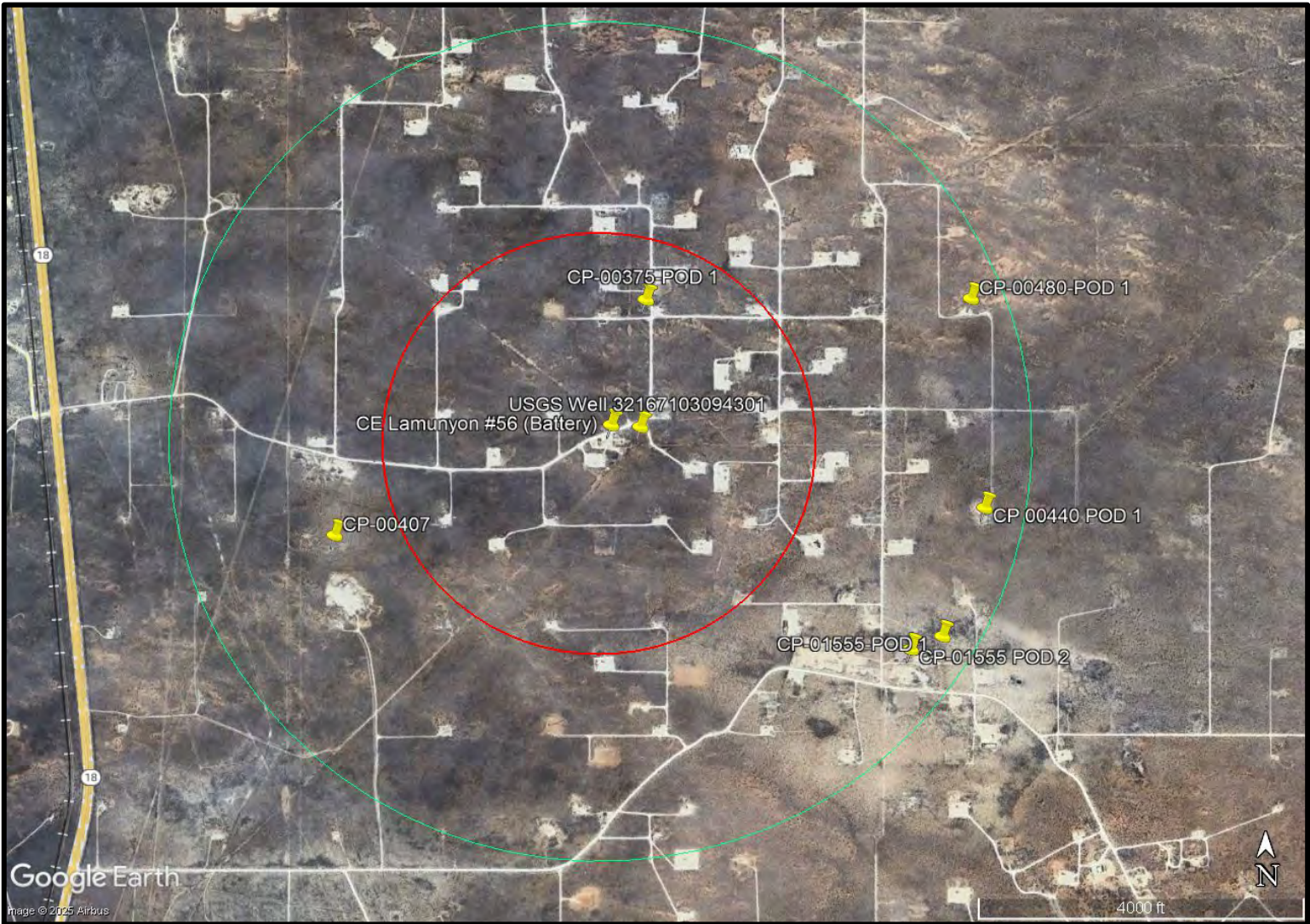
Base Map From Google Earth Pro

Figure 2
Sample Location Map

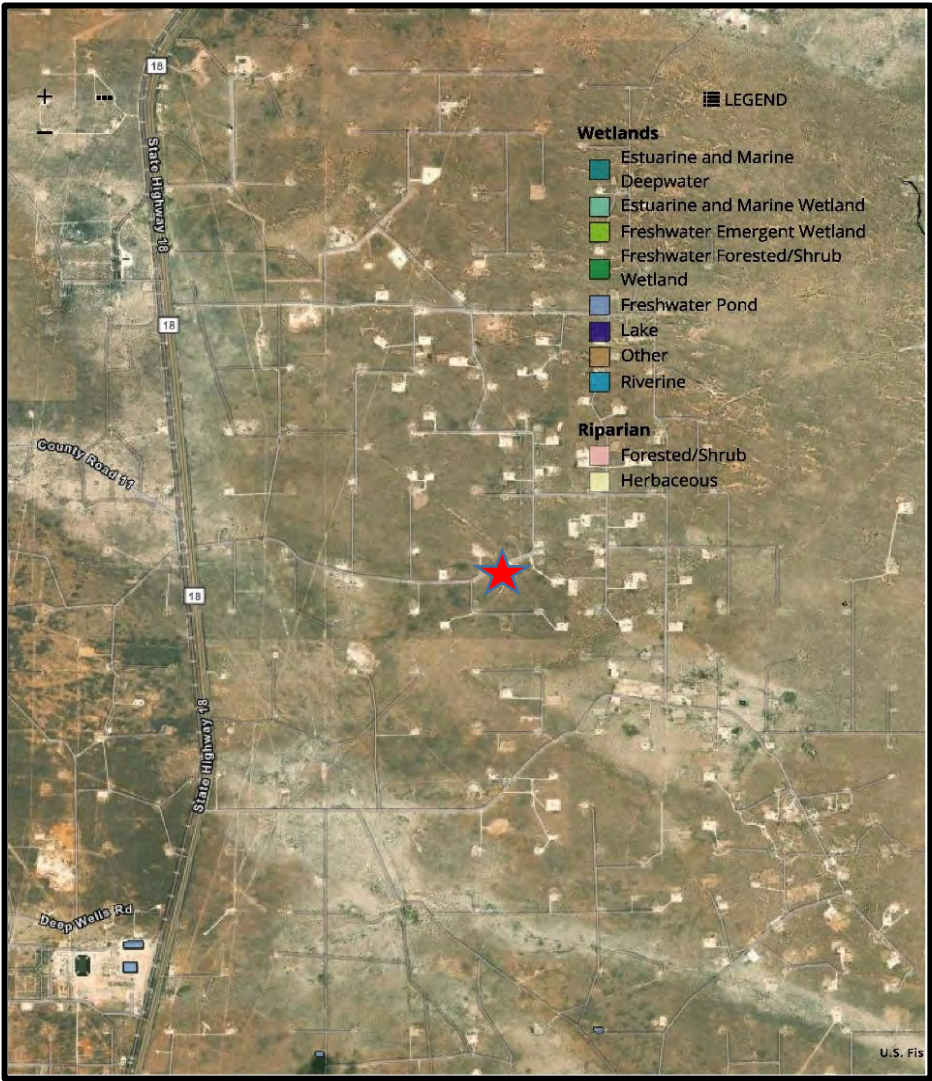
F AE II Operating, LLC
Lamunyon #56/Central Battery
Lea County, New Mexico

Drafted by: CC Checked by: CC	
Draft: March 12, 2025	
GPS:	32.2798670 -103.1635690

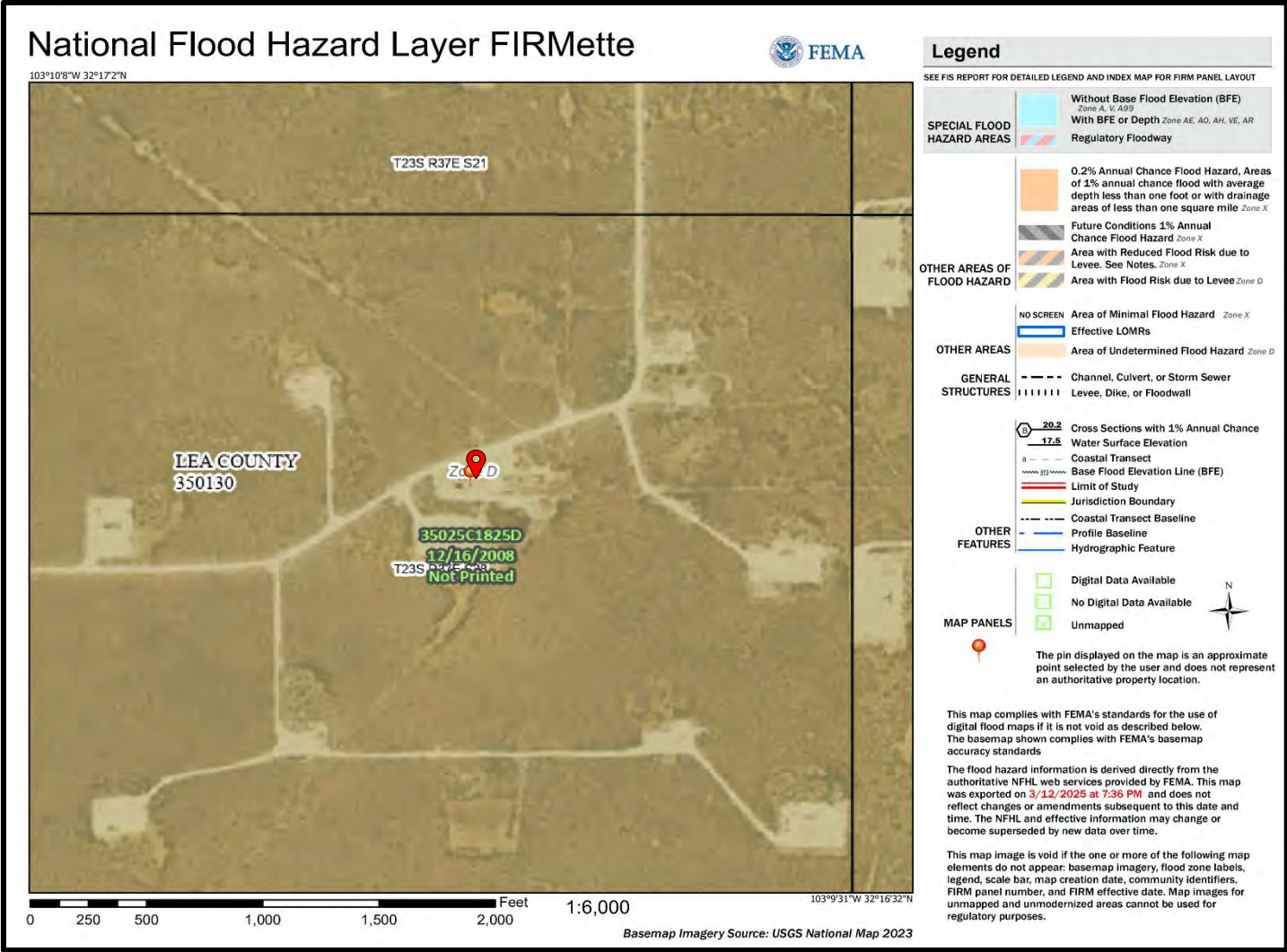


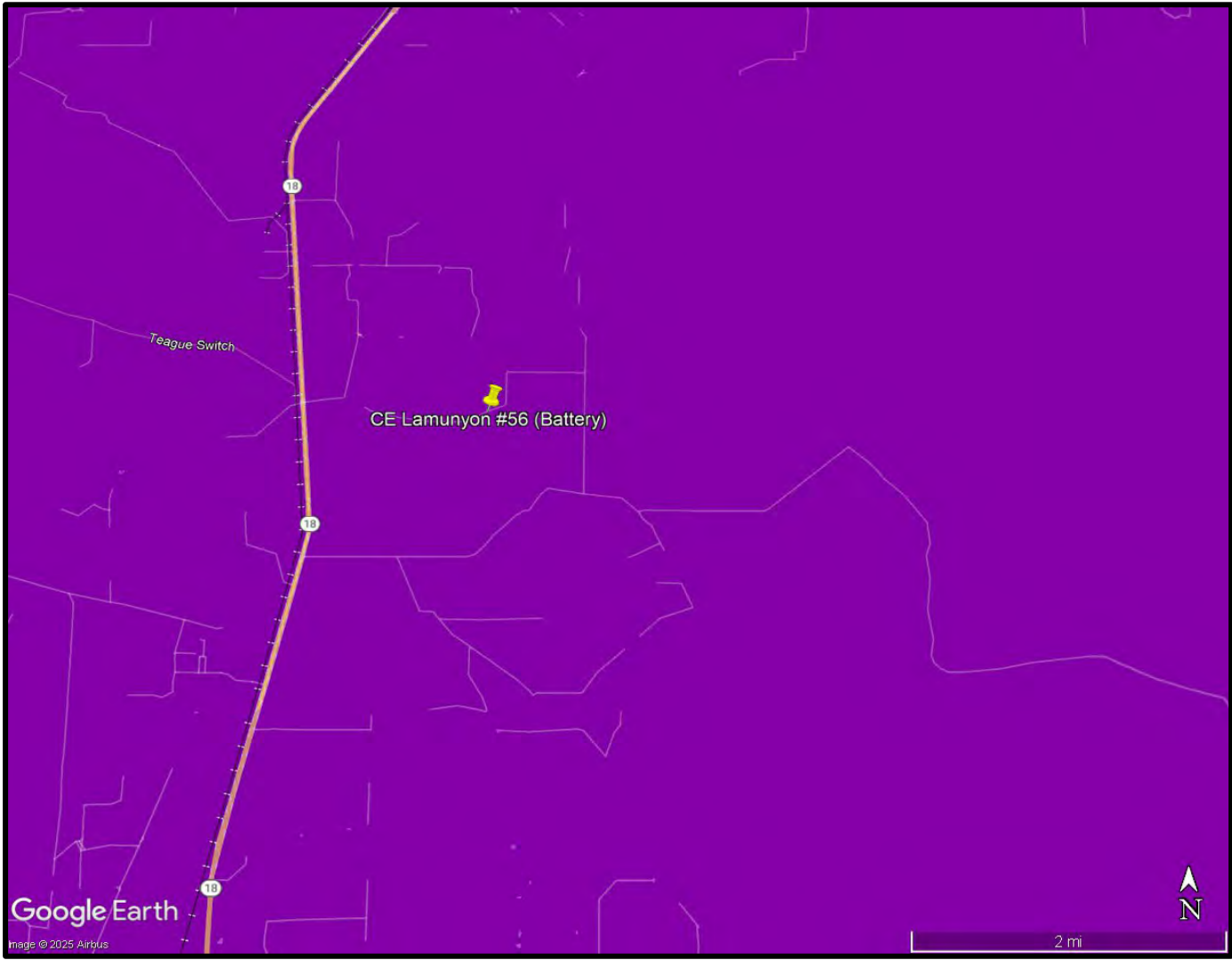


LEGEND:  Site and Well Location  0.5-Mile Radius  1-Mile Radius Base Map From Google Earth Pro	Figure 3 Wellhead Protection Area Map FAE II Operating, LLC Lamunyon 56 / Central Tank Battery Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: November 29, 2025	
		GPS: 32.2798670 -103.163569°	



LEGEND:  Site Location Base Map From US Fish & Wildlife Service	Figure 4 National Wetlands Inventory 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°	





LEGEND: Low Karst Potential Medium Karst Potential High Karst Potential Base Map From Google Earth Pro and BLM	Figure 6 Karst Potential 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°	



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	



Appendix A: NMOCD Correspondence



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>
To: Cindy Crain <cindy.crain@gmail.com>

Wed, Dec 4, 2024 at 1:18 PM

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. I 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 Blinberry #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 closure 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 required included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variations.

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>



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](#)



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



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>
To: "Buchanan, Michael, EMNRD" <Michael.Buchanan@emnrd.nm.gov>, Billy Moore <billy@faenergyus.com>

Thu, Aug 28, 2025 at 12:30 PM

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>
To: Cindy Crain <cindy.crain@gmail.com>

Wed, Sep 3, 2025 at 5:47 PM

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>
To: Billy Moore <billy@faenergyus.com>

Thu, Sep 4, 2025 at 9:27 AM

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>
To: Buchanan Michael EMNRD <Michael.Buchanan@emnrd.nm.gov>

Thu, Sep 4, 2025 at 9:29 AM

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>
To: Cindy Crain <cindy.crain@gmail.com>

Thu, Sep 4, 2025 at 11:05 AM

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>
To: Buchanan Michael EMNRD <Michael.Buchanan@emnrd.nm.gov>
Cc: Billy Moore <billy@faenergyus.com>

Thu, Sep 4, 2025 at 10:08 PM

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:

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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:

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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	Tw	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

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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:

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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:

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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:	

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



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National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide

News 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 of measurement
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

Released to Imaging: 12/3/2025 4:00:55 PM

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](#)





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).



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



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

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

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
1/22/2025 1:38:41 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: 880-53358-1
SDG: Lea CO NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	26
QC Sample Results	28
QC Association Summary	35
Lab Chronicle	41
Certification Summary	49
Method Summary	50
Sample Summary	51
Chain of Custody	52
Receipt Checklists	55

1
2
3
4
5
6
7
8
9
10
11
12
13
14

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.

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-1 (1')

Lab Sample ID: 880-53358-1

Date Collected: 01/16/25 11:30

Matrix: Solid

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

Date Collected: 01/16/25 11:45

Matrix: Solid

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

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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-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

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

Date Collected: 01/16/25 11:50

Matrix: Solid

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

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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-2 (1')

Lab Sample ID: 880-53358-3

Date Collected: 01/16/25 11:50

Matrix: Solid

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

Date Collected: 01/16/25 12:05

Matrix: Solid

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

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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-3 (1')

Lab Sample ID: 880-53358-5

Date Collected: 01/16/25 12:10

Matrix: Solid

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

Date Collected: 01/16/25 12:25

Matrix: Solid

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

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-3 (4.1')

Lab Sample ID: 880-53358-6

Date Collected: 01/16/25 12:25

Matrix: Solid

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

Date Collected: 01/16/25 12:30

Matrix: Solid

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

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-4 (1')

Lab Sample ID: 880-53358-7

Date Collected: 01/16/25 12:30

Matrix: Solid

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

Date Collected: 01/16/25 12:45

Matrix: Solid

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

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 (1')

Lab Sample ID: 880-53358-9

Date Collected: 01/16/25 12:50

Matrix: Solid

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

Date Collected: 01/16/25 13:05

Matrix: Solid

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

Date Collected: 01/16/25 13:05

Matrix: Solid

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

Date Collected: 01/16/25 13:10

Matrix: Solid

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

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-6 (1')

Lab Sample ID: 880-53358-11

Date Collected: 01/16/25 13:10

Matrix: Solid

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

Date Collected: 01/16/25 13:25

Matrix: Solid

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

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-7 (1')

Lab Sample ID: 880-53358-13

Date Collected: 01/16/25 13:30

Matrix: Solid

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

Date Collected: 01/16/25 13:45

Matrix: Solid

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

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-7 (4.1')

Lab Sample ID: 880-53358-14

Date Collected: 01/16/25 13:45

Matrix: Solid

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

Date Collected: 01/16/25 13:50

Matrix: Solid

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

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-8 (1')

Lab Sample ID: 880-53358-15

Date Collected: 01/16/25 13:50

Matrix: Solid

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

Date Collected: 01/16/25 14:05

Matrix: Solid

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

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 (1')

Lab Sample ID: 880-53358-17

Date Collected: 01/16/25 14:10

Matrix: Solid

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

Date Collected: 01/16/25 14:25

Matrix: Solid

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

Date Collected: 01/16/25 14:25

Matrix: Solid

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

Date Collected: 01/16/25 14:30

Matrix: Solid

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

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-10 (1')

Lab Sample ID: 880-53358-19

Date Collected: 01/16/25 14:30

Matrix: Solid

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

Date Collected: 01/16/25 14:45

Matrix: Solid

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

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-11 (1')

Lab Sample ID: 880-53358-21

Date Collected: 01/16/25 14:50

Matrix: Solid

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

Date Collected: 01/16/25 15:05

Matrix: Solid

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

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-11 (4.1')

Lab Sample ID: 880-53358-22

Date Collected: 01/16/25 15:05

Matrix: Solid

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

Date Collected: 01/16/25 15:10

Matrix: Solid

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

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-12 (1')

Lab Sample ID: 880-53358-23

Date Collected: 01/16/25 15:10

Matrix: Solid

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

Date Collected: 01/16/25 15:25

Matrix: Solid

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

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-13 (1')

Lab Sample ID: 880-53358-25

Date Collected: 01/16/25 15:30

Matrix: Solid

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

Date Collected: 01/16/25 15:45

Matrix: Solid

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

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-13 (4.1')

Lab Sample ID: 880-53358-26

Date Collected: 01/16/25 15:45

Matrix: Solid

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	<0.00398	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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		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

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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

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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

Client Sample ID: TH-1 (1')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 100488

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		

	MS	MS	
<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-53358-1 MSD

Client Sample ID: TH-1 (1')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 100488

Prep Batch: 100553

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		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

	MSD	MSD	
Surrogate	%Recovery	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

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 100739

Prep Batch: 100556

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

	MB	MB				
Surrogate	%Recovery	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

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 100739

Prep Batch: 100556

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

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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

	LCS	LCS	
Surrogate	%Recovery	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

	LCSD	LCSD	
Surrogate	%Recovery	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

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	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

	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		

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

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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	RPD	RPD Limit
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

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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

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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					Client Sample ID: Lab Control Sample Dup						
Matrix: Solid					Prep Type: Soluble						
Analysis Batch: 100693											
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	

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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	

Eurofins Midland

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

Eurofins Midland

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	

Eurofins Midland

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

Eurofins Midland

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

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-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

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-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	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

Date Collected: 01/16/25 12:10

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 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

Date Collected: 01/16/25 12:25

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			4.95 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

Date Collected: 01/16/25 12:30

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			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

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-4 (1')

Lab Sample ID: 880-53358-7

Date Collected: 01/16/25 12:30

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
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

Date Collected: 01/16/25 12:45

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			4.99 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

Date Collected: 01/16/25 12:50

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			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

Date Collected: 01/16/25 13:05

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			5.05 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

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-6 (1')

Lab Sample ID: 880-53358-11

Date Collected: 01/16/25 13:10

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 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

Date Collected: 01/16/25 13:25

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			5.00 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

Date Collected: 01/16/25 13:30

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			5.04 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

Date Collected: 01/16/25 13:45

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			4.95 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

Date Collected: 01/16/25 13:45

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	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

Date Collected: 01/16/25 13:50

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 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

Date Collected: 01/16/25 14:05

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			5.03 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

Date Collected: 01/16/25 14:10

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 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

Date Collected: 01/16/25 14:10

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
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

Date Collected: 01/16/25 14:25

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			5.05 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

Date Collected: 01/16/25 14:30

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			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

Date Collected: 01/16/25 14:45

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			4.96 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

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-11 (1')

Lab Sample ID: 880-53358-21

Date Collected: 01/16/25 14:50

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			4.95 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

Date Collected: 01/16/25 15:05

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			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

Date Collected: 01/16/25 15:10

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	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

Date Collected: 01/16/25 15:25

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			5.03 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

Date Collected: 01/16/25 15:25

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	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

Date Collected: 01/16/25 15:30

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			5.05 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

Date Collected: 01/16/25 15:45

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			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

Eurofins Midland

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

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

Environment Testing

Xenco



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

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:

SAMPLE RECEIPT				Turn Around		Parameters		ANALYSIS REQUEST		Preservative Codes	
Samples Received Intact:		Temp Blank:	Yes	No	Wet Ice:	Yes	No	Pres. Code			
Cooler Custody Seals:		Thermometer ID:	Yes	No	Correction Factor:	Yes	No				
Sample Custody Seals:		Temperature Reading:	Yes	No	Corrected Temperature:	Yes	No				
Total Containers:											
TH-1 (1')	1130	1' 1"	1130	1' 1"	1130	1' 1"	1130	1' 1"	1130	1' 1"	1130
TH-1 (4.1')	1145	4.1'	1145	4.1'	1145	4.1'	1145	4.1'	1145	4.1'	1145
TH-2 (1')	1150	1'	1150	1'	1150	1'	1150	1'	1150	1'	1150
TH-2 (4.1')	1205	4.1'	1205	4.1'	1205	4.1'	1205	4.1'	1205	4.1'	1205
TH-3 (1')	1210	1'	1210	1'	1210	1'	1210	1'	1210	1'	1210
TH-3 (4.1')	1225	4.1'	1225	4.1'	1225	4.1'	1225	4.1'	1225	4.1'	1225
TH-4 (1')	1230	1'	1230	1'	1230	1'	1230	1'	1230	1'	1230
TH-4 (4.1')	1245	4.1'	1245	4.1'	1245	4.1'	1245	4.1'	1245	4.1'	1245
TH-5 (1')	1250	1'	1250	1'	1250	1'	1250	1'	1250	1'	1250
TH-5 (4.1')	1305	4.1'	1305	4.1'	1305	4.1'	1305	4.1'	1305	4.1'	1305

Total	200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471		

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Cindy Crain		1/17			

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199



Environment Testing
Xenco

Work Order No: _____

www.xenco.com Page 2 of 3

Work Order Comments

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

State of Project: **NM**

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

Deliverables: EDD ☐ ADaPT ☐ Other: _____

Project Manager: **Cindy Crain**

Company Name: **Crain Environmental**

Address: **2925 E. 17th St.**

City, State ZIP: **Odessa, TX 79761**

Phone: **(575) 441-7244**

Bill to: (if different)

Company Name: **Billy Moore**

Address: **11757 Katy Fwy, Ste. 725**

City, State ZIP: **Houston, TX 77079**

Email: **Cindy.Crain@gmail.com**

SAMPLE RECEIPT		ANALYSIS REQUEST				Preservative Codes	
Project Name:	Project Number:	Tum Around	Pre Code	Parameters	Sample Comments		
Project Location: Lea Co. NM	Project Number: 561CTB	☒ Routine ☐ Rush				None: NO	DI Water: H ₂ O
Sampler's Name: Cindy Crain	Due Date: _____	Wet Ice: Yes ☐ No ☐				Cool: Cool	MeOH: Me
P.O. #: _____	TAT starts the day received by the lab, if received by 4:30pm	Thermometer ID: _____				HCL: HC	HNO ₃ : HN
		Correction Factor: _____				H ₂ SO ₄ : H ₂	NaOH: Na
		Temperature Reading: _____				H ₃ PO ₄ : HP	
		Corrected Temperature: _____				NaHSO ₄ : NABIS	
						Na ₂ S ₂ O ₃ : NaSO ₃	
						Zn Acetate+NaOH: Zn	
						NaOH+Ascorbic Acid: SAPC	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont
TH-6 (1')	S	11/14/25	1310	1'	C	1
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 SiO₂ Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Cindy Crain		11/17/25			

Revised Date: 06/25/2020 Rev. 2020.2

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing
Xenco



Work Order No:

Page 3 of 3
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Work Order Comments									
Program:	UST/PST	PRP	Brownfields	RRC	Superfund				
State of Project:	<i>NM</i>								
Reporting:	Level II	Level III	PST/AUST	TRRP	Level IV				
Deliverables:	EDD	ADaPT	Other:						

Project Manager:	<i>Cindy Crain</i>		Bill to: (if different)	<i>Billy Moore</i>
Company Name:	<i>Crain Environmental</i>		Company Name:	<i>FAE II</i>
Address:	<i>2425 E. 17th St.</i>		Address:	<i>11757 Katy Fwy, Ste. 725</i>
City, State ZIP:	<i>Odessa, TX 79761</i>		City, State ZIP:	<i>Houston, TX 77079</i>
Phone:	<i>(575) 441-7344</i>		Email:	<i>Cindy.Crain@gmail.com</i>

[illegible]

Total	200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas	11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	Sr	Tl	Sn	U	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 / 2451 / 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 with Eurofins Xenco.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		1/17 4:27			

Revised Date: 08/25/20 Rev: 30302

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	



Environment Testing

1

2

3

4

5

6

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8

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10

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12

13

14

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

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

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	28
QC Sample Results	30
QC Association Summary	40
Lab Chronicle	47
Certification Summary	55
Method Summary	56
Sample Summary	57
Chain of Custody	58
Receipt Checklists	61

1
2
3
4
5
6
7
8
9
10
11
12
13
14

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

Eurofins Midland

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

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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.

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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-1 (1')

Lab Sample ID: 880-58514-1

Date Collected: 05/21/25 10:30

Matrix: Solid

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 14:38	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')

Lab Sample ID: 880-58514-2

Date Collected: 05/21/25 10:35

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	<0.00201	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

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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-1 (4')

Lab Sample ID: 880-58514-2

Date Collected: 05/21/25 10:35

Matrix: Solid

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)	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')

Lab Sample ID: 880-58514-3

Date Collected: 05/21/25 10:40

Matrix: Solid

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 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

Eurofins Midland

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')

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 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')

Date Collected: 05/21/25 10:45

Date Received: 05/23/25 13:02

Sample Depth: 4'

Lab Sample ID: 880-58514-4

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		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

Eurofins Midland

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')

Date Collected: 05/21/25 10:45

Date Received: 05/23/25 13:02

Sample Depth: 4'

Lab Sample ID: 880-58514-4

Matrix: Solid

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')

Date Collected: 05/21/25 10:50

Date Received: 05/23/25 13:02

Sample Depth: 1'

Lab Sample ID: 880-58514-5

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 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

Eurofins Midland

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

Date Collected: 05/21/25 10:55

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	<0.00198	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

Date Collected: 05/21/25 11:00

Matrix: Solid

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

Eurofins Midland

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')

Lab Sample ID: 880-58514-7

Date Collected: 05/21/25 11:00

Matrix: Solid

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)	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')

Lab Sample ID: 880-58514-8

Date Collected: 05/21/25 11:05

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	<0.00202	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

Eurofins Midland

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')

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 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')

Date Collected: 05/21/25 11:10

Date Received: 05/23/25 13:02

Sample Depth: 1'

Lab Sample ID: 880-58514-9

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 02:30	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

Eurofins Midland

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

Eurofins Midland

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')

Lab Sample ID: 880-58514-11

Date Collected: 05/21/25 11:20

Matrix: Solid

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 14:38	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')

Lab Sample ID: 880-58514-12

Date Collected: 05/21/25 11:35

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	<0.00198	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

Eurofins Midland

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

Date Collected: 05/21/25 11:35

Matrix: Solid

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

Date Collected: 05/21/25 11:30

Matrix: Solid

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

Eurofins Midland

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')

Date Collected: 05/21/25 11:30

Date Received: 05/23/25 13:02

Sample Depth: 1'

Lab Sample ID: 880-58514-13

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	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')

Date Collected: 05/21/25 11:35

Date Received: 05/23/25 13:02

Sample Depth: 4'

Lab Sample ID: 880-58514-14

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 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

Eurofins Midland

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')

Date Collected: 05/21/25 11:35

Date Received: 05/23/25 13:02

Sample Depth: 4'

Lab Sample ID: 880-58514-14

Matrix: Solid

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')

Date Collected: 05/21/25 11:40

Date Received: 05/23/25 13:02

Sample Depth: 1'

Lab Sample ID: 880-58514-15

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 14:38	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

Eurofins Midland

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

Date Collected: 05/21/25 11:45

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	<0.00200	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

Date Collected: 05/21/25 11:50

Matrix: Solid

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

Eurofins Midland

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

Date Collected: 05/21/25 11:50

Matrix: Solid

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

Date Collected: 05/21/25 11:55

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 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

Eurofins Midland

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

Date Collected: 05/21/25 11:55

Matrix: Solid

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

Date Collected: 05/21/25 12:00

Matrix: Solid

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

Eurofins Midland

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')

Date Collected: 05/21/25 12:00

Date Received: 05/23/25 13:02

Sample Depth: 1'

Lab Sample ID: 880-58514-19

Matrix: Solid

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')

Date Collected: 05/21/25 12:05

Date Received: 05/23/25 13:02

Sample Depth: 4'

Lab Sample ID: 880-58514-20

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 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

Eurofins Midland

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

Date Collected: 05/21/25 12:10

Matrix: Solid

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

Date Collected: 05/21/25 12:15

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	<0.00198	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

Eurofins Midland

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

Date Collected: 05/21/25 12:15

Matrix: Solid

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

Date Collected: 05/21/25 12:20

Matrix: Solid

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

Eurofins Midland

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')

Date Collected: 05/21/25 12:20

Date Received: 05/23/25 13:02

Sample Depth: 1'

Lab Sample ID: 880-58514-23

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	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')

Date Collected: 05/21/25 12:25

Date Received: 05/23/25 13:02

Sample Depth: 4'

Lab Sample ID: 880-58514-24

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 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

Eurofins Midland

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')

Date Collected: 05/21/25 12:25

Date Received: 05/23/25 13:02

Sample Depth: 4'

Lab Sample ID: 880-58514-24

Matrix: Solid

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')

Date Collected: 05/21/25 12:30

Date Received: 05/23/25 13:02

Sample Depth: 1'

Lab Sample ID: 880-58514-25

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 14:15	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

Eurofins Midland

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')

Lab Sample ID: 880-58514-26

Date Collected: 05/21/25 12:35

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 14:15	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

Eurofins Midland

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		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)

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

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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	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

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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	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	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

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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

	MSD	MSD	
Surrogate	%Recovery	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

	MB	MB								
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 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	%Recovery	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

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

			Spike	LCSD	LCSD				%Rec	RPD	RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	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	%Recovery	Qualifier	Limits								
1-Chlorooctane	106		70 - 130								
o-Terphenyl	90		70 - 130								

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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

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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

	MS	MS	
Surrogate	%Recovery	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

	MSD	MSD	
Surrogate	%Recovery	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

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
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

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	75		70 - 130

Eurofins Midland

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	RPD	RPD Limit
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

Eurofins Midland

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

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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

Eurofins Midland

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	

Eurofins Midland

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	

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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

Eurofins Midland

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')

Lab Sample ID: 880-58514-1

Date Collected: 05/21/25 10:30

Matrix: Solid

Date Received: 05/23/25 13:02

Prep 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')

Lab Sample ID: 880-58514-2

Date Collected: 05/21/25 10:35

Matrix: Solid

Date Received: 05/23/25 13:02

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')

Lab Sample ID: 880-58514-3

Date Collected: 05/21/25 10:40

Matrix: Solid

Date Received: 05/23/25 13:02

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')

Lab Sample ID: 880-58514-4

Date Collected: 05/21/25 10:45

Matrix: Solid

Date Received: 05/23/25 13:02

Prep 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

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-2 (4')**Lab Sample ID: 880-58514-4****Date Collected: 05/21/25 10:45****Matrix: Solid****Date Received: 05/23/25 13:02**

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')**Lab Sample ID: 880-58514-5****Date Collected: 05/21/25 10:50****Matrix: Solid****Date Received: 05/23/25 13:02**

Prep 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')**Lab Sample ID: 880-58514-6****Date Collected: 05/21/25 10:55****Matrix: Solid****Date Received: 05/23/25 13:02**

Prep 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')**Lab Sample ID: 880-58514-7****Date Collected: 05/21/25 11:00****Matrix: Solid****Date Received: 05/23/25 13:02**

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

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-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

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-6 (1')

Lab Sample ID: 880-58514-11

Date Collected: 05/21/25 11:20

Matrix: Solid

Date Received: 05/23/25 13:02

Prep 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')

Lab Sample ID: 880-58514-12

Date Collected: 05/21/25 11:35

Matrix: Solid

Date Received: 05/23/25 13:02

Prep 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')

Lab Sample ID: 880-58514-13

Date Collected: 05/21/25 11:30

Matrix: Solid

Date Received: 05/23/25 13:02

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')

Lab Sample ID: 880-58514-14

Date Collected: 05/21/25 11:35

Matrix: Solid

Date Received: 05/23/25 13:02

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')

Lab Sample ID: 880-58514-14

Date Collected: 05/21/25 11:35

Matrix: Solid

Date Received: 05/23/25 13:02

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')

Lab Sample ID: 880-58514-15

Date Collected: 05/21/25 11:40

Matrix: Solid

Date Received: 05/23/25 13:02

Prep 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')

Lab Sample ID: 880-58514-16

Date Collected: 05/21/25 11:45

Matrix: Solid

Date Received: 05/23/25 13:02

Prep 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')

Lab Sample ID: 880-58514-17

Date Collected: 05/21/25 11:50

Matrix: Solid

Date Received: 05/23/25 13:02

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')**Lab Sample ID: 880-58514-17****Date Collected: 05/21/25 11:50****Matrix: Solid****Date Received: 05/23/25 13:02**

Prep 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')**Lab Sample ID: 880-58514-18****Date Collected: 05/21/25 11:55****Matrix: Solid****Date Received: 05/23/25 13:02**

Prep 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')**Lab Sample ID: 880-58514-19****Date Collected: 05/21/25 12:00****Matrix: Solid****Date Received: 05/23/25 13:02**

Prep 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')**Lab Sample ID: 880-58514-20****Date Collected: 05/21/25 12:05****Matrix: Solid****Date Received: 05/23/25 13:02**

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')

Lab Sample ID: 880-58514-21

Date Collected: 05/21/25 12:10

Matrix: Solid

Date Received: 05/23/25 13:02

Prep 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')

Lab Sample ID: 880-58514-22

Date Collected: 05/21/25 12:15

Matrix: Solid

Date Received: 05/23/25 13:02

Prep 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')

Lab Sample ID: 880-58514-23

Date Collected: 05/21/25 12:20

Matrix: Solid

Date Received: 05/23/25 13:02

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')

Lab Sample ID: 880-58514-24

Date Collected: 05/21/25 12:25

Matrix: Solid

Date Received: 05/23/25 13:02

Prep 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')

Lab Sample ID: 880-58514-24

Date Collected: 05/21/25 12:25

Matrix: Solid

Date Received: 05/23/25 13:02

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')

Lab Sample ID: 880-58514-25

Date Collected: 05/21/25 12:30

Matrix: Solid

Date Received: 05/23/25 13:02

Prep 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')

Lab Sample ID: 880-58514-26

Date Collected: 05/21/25 12:35

Matrix: Solid

Date Received: 05/23/25 13:02

Prep 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

Eurofins Midland

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'



Environment Testing
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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

W



880-58514 Chain of Custody

www.xenco.com Page 1 of 3

Project Manager:	<u>Lindy Crain</u>	Bill to: (if different)	<u>Billy Moore</u>
Company Name:	<u>Crain Environmental</u>	Company Name:	<u>FAE II</u>
Address:	<u>2925 E. 17th St.</u>	Address:	<u>11757 Katy Fwy, Ste. 725</u>
City, State ZIP:	<u>Odessa, TX 79741</u>	City, State ZIP:	<u>Houston, TX 77079</u>
Phone:	<u>(575) 441-7244</u>	Email:	<u>Lindy.crain@gmail.com</u>

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

Project Name:	<u>Lanunyon St/CTB</u>	Turn Around	☒ Routine ☐ Rush	Pres. Code		ANALYSIS REQUEST									
Project Number:	<u>Lea Co. NM</u>	Due Date:													
Project Location:	<u>Lindy Crain</u>	TAT starts the day received by the lab, if received by 4:30pm													
Sampler's Name:															
P.O. #:															
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Parameters									
Samples Received Intact:	Yes ☒ No ☐	Thermometer ID:													
Cooler Custody Seals:	Yes ☒ No ☐ N/A ☐	Correction Factor:													
Sample Custody Seals:	Yes ☒ No ☐ N/A ☐	Temperature Reading:													
Total Containers:		Corrected Temperature:													

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	TPH	8015M	BTEX	Chlorides	Sample Comments															
TH-1 (1')	5	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 SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>Lindy Crain</u>	<u>[Signature]</u>	<u>5/20/25 1800</u>			
3		4			
5		6			



Environment Testing
Xenco

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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

www.xenco.com Page 2 of 3

Project Manager:	Lindy Crain	Bill to: (if different)	Billy Moore
Company Name:	Crain Environmental	Company Name:	FAE II
Address:	2925 E. 17th St.	Address:	11757 Katy Fwy, Ste 725
City, State ZIP:	Deerissa, TX 79741	City, State ZIP:	Houston, TX 77079
Phone:	(575) 441-7244	Email:	Lindy.Crain@gmail.com

Project Name:	Lamarco 54/CTB
Project Number:	-
Project Location:	Lea Co. NM
Sampler's Name:	Lindy Crain
P.O. #:	
Due Date:	
TAI starts the day received by the lab, if received by 4:30pm	
Turn Around	☒ Routine ☐ Rush
Pres. Code	

Project Name:	Lamarco 54/CTB	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	-	Due Date:		TAI starts the day received by the lab, if received by 4:30pm	
Project Location:	Lea Co. NM	City, State ZIP:	Houston, TX 77079		
Sampler's Name:	Lindy Crain				
P.O. #:					
Temp Blank:	Yes No	Wet Ice:	Yes No		
Samples Received Intact:	Yes No	Thermometer ID:			
Cooler Custody Seals:	Yes No N/A	Correction Factor:			
Sample Custody Seals:	Yes No N/A	Temperature Reading:			
Total Containers:		Corrected Temperature:			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
TH-6 (1')	S	5/21/25	11:20	1'	C	1	TPH 8015M		None: NO	DI Water: H ₂ O
TH-6 (4')			11:25	4'			BTEX		Cool: Cool	MeOH: Me
TH-7 (1')			11:30	1'			Chlorides		HCL: HC	HNO ₃ : HN
TH-7 (4')			11:35	4'					H ₂ SO ₄ : H ₂	NaOH: Na
TH-8 (1')			11:40	1'					H ₃ PO ₄ : HP	
TH-8 (4')			11:45	4'					NaHSO ₄ : NABIS	
TH-9 (1')			11:50	1'					Na ₂ O ₃ : NaSO ₃	
TH-9 (4')			11:55	4'					Zn Acetate+NaOH: Zn	
TH-10 (1')			12:00	1'					NaOH+Ascorbic Acid: SAPC	
TH-10 (4')			12:05	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 SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		5/21/25 12:05			



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Xenco

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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

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Project Manager:	<i>Lindy Crain</i>	Bill to: (if different)	<i>Billy Moore</i>
Company Name:	<i>Crain Environmental</i>	Company Name:	<i>FHE II</i>
Address:	<i>2925 E. 17th St.</i>	Address:	<i>11757 Katy Fwy, Ste. 725</i>
City, State ZIP:	<i>Odessa, TX 79761</i>	City, State ZIP:	<i>Houston, TX 77079</i>
Phone:	<i>(575) 441-7244</i>	Email:	<i>Lindy.Crain@gmail.com</i>

Program:	UST/PST ☐ PBP ☐ Brownfields ☐ RCRC ☐ Superfund ☐
State of Project:	<i>NM</i>
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADAPT ☐ Other: _____

Project Name:	<i>Laneway 56/CTB</i>	Turn Around	☒ Routine ☐ Rush	Pres. Code		ANALYSIS REQUEST										Preservative Codes										
Project Number:																None: NO DI Water: H ₂ O										
Project Location:	<i>Lea Co. NM</i>	Due Date:														Cool: Cool MeOH: Me										
Sampler's Name:	<i>Lindy Crain</i>	TAT starts the day received by the lab, if received by 4:30pm														HCL: HCl HNO: H ₂ SO: H ₂ PO: H ₂ PO: HP										
P.O. #:		Temp Blank:	Yes No	Wet Ice:	Yes No											NaHSO: 4: NABIS										
SAMPLE RECEIPT		Samples Received Intact:	Yes No	Thermometer ID:												Na ₂ S ₂ O ₃ : NaSO ₃										
		Cooler Custody Seals:	Yes No N/A	Correction Factor:												Zn Acetate+NaOH: Zn										
		Sample Custody Seals:	Yes No N/A	Temperature Reading:												NaOH+Ascorbic Acid: SAPC										
		Total Containers:		Corrected Temperature:																						
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont											Sample Comments									
<i>TH-11 (1')</i>	<i>S</i>	<i>5/21/25</i>	<i>1210</i>	<i>1'</i>	<i>2</i>	<i>1</i>	<i>TPH 8015M</i>																			
<i>TH-11 (4')</i>			<i>1215</i>	<i>4'</i>			<i>BTEX</i>																			
<i>TH-12 (1')</i>			<i>1220</i>	<i>1'</i>			<i>Chlorides</i>																			
<i>TH-12 (4')</i>			<i>1225</i>	<i>4'</i>																						
<i>TH-13 (1')</i>			<i>1230</i>	<i>1'</i>																						
<i>TH-13 (4')</i>			<i>1235</i>	<i>4'</i>																						

Total 2007 / 6010 2008 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Lindy Crain</i>	<i>[Signature]</i>	<i>5/21/25 1504</i>			

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	



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
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- 9
- 10
- 11
- 12
- 13
- 14

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



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

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	37
QC Sample Results	40
QC Association Summary	52
Lab Chronicle	62
Certification Summary	74
Method Summary	75
Sample Summary	76
Chain of Custody	77
Receipt Checklists	79

1
2
3
4
5
6
7
8
9
10
11
12
13
14

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

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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.

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-14 (1')

Lab Sample ID: 880-64034-1

Date Collected: 10/16/25 14:00

Matrix: Solid

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

Date Collected: 10/16/25 14:05

Matrix: Solid

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

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-14 (4')

Lab Sample ID: 880-64034-2

Date Collected: 10/16/25 14:05

Matrix: Solid

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 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')

Lab Sample ID: 880-64034-3

Date Collected: 10/16/25 14:10

Matrix: Solid

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 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

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-15 (1')

Lab Sample ID: 880-64034-3

Date Collected: 10/16/25 14:10

Matrix: Solid

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

Date Collected: 10/16/25 14:15

Matrix: Solid

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

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-16 (1')

Lab Sample ID: 880-64034-5

Date Collected: 10/16/25 14:20

Matrix: Solid

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

Date Collected: 10/16/25 14:25

Matrix: Solid

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

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-16 (4')

Lab Sample ID: 880-64034-6

Date Collected: 10/16/25 14:25

Matrix: Solid

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

Date Collected: 10/16/25 14:30

Matrix: Solid

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

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-17 (1')

Lab Sample ID: 880-64034-7

Date Collected: 10/16/25 14:30

Matrix: Solid

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

Date Collected: 10/16/25 14:35

Matrix: Solid

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

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-17 (4')

Lab Sample ID: 880-64034-8

Date Collected: 10/16/25 14:35

Matrix: Solid

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

Date Collected: 10/16/25 14:40

Matrix: Solid

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

Date Collected: 10/16/25 14:45

Matrix: Solid

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

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-18 (4')

Lab Sample ID: 880-64034-10

Date Collected: 10/16/25 14:45

Matrix: Solid

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

Date Collected: 10/16/25 14:50

Matrix: Solid

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

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 (1')

Lab Sample ID: 880-64034-11

Date Collected: 10/16/25 14:50

Matrix: Solid

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

Date Collected: 10/16/25 14:50

Matrix: Solid

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')

Lab Sample ID: 880-64034-12

Date Collected: 10/16/25 14:50

Matrix: Solid

Date Received: 10/20/25 14:05

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')

Lab Sample ID: 880-64034-13

Date Collected: 10/16/25 15:00

Matrix: Solid

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 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

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

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

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-20 (4')

Lab Sample ID: 880-64034-14

Date Collected: 10/16/25 15:05

Matrix: Solid

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

Date Collected: 10/16/25 15:10

Matrix: Solid

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

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-21 (1')

Lab Sample ID: 880-64034-15

Date Collected: 10/16/25 15:10

Matrix: Solid

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

Date Collected: 10/16/25 15:15

Matrix: Solid

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

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-21 (4')

Lab Sample ID: 880-64034-16

Date Collected: 10/16/25 15:15

Matrix: Solid

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

Date Collected: 10/16/25 15:20

Matrix: Solid

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

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-22 (1')

Lab Sample ID: 880-64034-17

Date Collected: 10/16/25 15:20

Matrix: Solid

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

Date Collected: 10/16/25 15:25

Matrix: Solid

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

Date Collected: 10/16/25 15:30

Matrix: Solid

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

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-23 (1')

Lab Sample ID: 880-64034-19

Date Collected: 10/16/25 15:30

Matrix: Solid

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

Date Collected: 10/16/25 15:35

Matrix: Solid

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

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-23 (4')

Lab Sample ID: 880-64034-20

Date Collected: 10/16/25 15:35

Matrix: Solid

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

Date Collected: 10/16/25 15:40

Matrix: Solid

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

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-24 (1')

Date Collected: 10/16/25 15:40

Date Received: 10/20/25 14:05

Lab Sample ID: 880-64034-21

Matrix: Solid

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')

Date Collected: 10/16/25 15:45

Date Received: 10/20/25 14:05

Lab Sample ID: 880-64034-22

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 13:21	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

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-25 (1')

Lab Sample ID: 880-64034-23

Date Collected: 10/16/25 15:50

Matrix: Solid

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

Date Collected: 10/16/25 15:55

Matrix: Solid

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

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-25 (4')

Lab Sample ID: 880-64034-24

Date Collected: 10/16/25 15:55

Matrix: Solid

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

Date Collected: 10/16/25 16:00

Matrix: Solid

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

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-26 (1')

Lab Sample ID: 880-64034-25

Date Collected: 10/16/25 16:00

Matrix: Solid

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

Date Collected: 10/16/25 16:05

Matrix: Solid

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

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-26 (4')

Lab Sample ID: 880-64034-26

Date Collected: 10/16/25 16:05

Matrix: Solid

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

Date Collected: 10/16/25 16:10

Matrix: Solid

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

Date Collected: 10/16/25 16:15

Matrix: Solid

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

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-27 (4')

Lab Sample ID: 880-64034-28

Date Collected: 10/16/25 16:15

Matrix: Solid

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

Date Collected: 10/16/25 16:20

Matrix: Solid

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

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-28 (1')

Lab Sample ID: 880-64034-29

Date Collected: 10/16/25 16:20

Matrix: Solid

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

Date Collected: 10/16/25 16:25

Matrix: Solid

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

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-28 (4')

Lab Sample ID: 880-64034-30

Date Collected: 10/16/25 16:25

Matrix: Solid

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

Date Collected: 10/16/25 16:30

Matrix: Solid

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

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-29 (4')

Lab Sample ID: 880-64034-32

Date Collected: 10/16/25 21:06

Matrix: Solid

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

Date Collected: 10/16/25 16:40

Matrix: Solid

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

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-30 (1')

Lab Sample ID: 880-64034-33

Date Collected: 10/16/25 16:40

Matrix: Solid

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

Date Collected: 10/16/25 16:43

Matrix: Solid

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

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-30 (4')

Lab Sample ID: 880-64034-34

Date Collected: 10/16/25 16:43

Matrix: Solid

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

Date Collected: 10/16/25 16:35

Matrix: Solid

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

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-31 (1')

Lab Sample ID: 880-64034-35

Date Collected: 10/16/25 16:35

Matrix: Solid

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

Date Collected: 10/16/25 16:40

Matrix: Solid

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

Date Collected: 10/16/25 16:45

Matrix: Solid

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

Date Collected: 10/16/25 16:45

Matrix: Solid

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

Date Collected: 10/16/25 16:50

Matrix: Solid

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

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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 (4')

Lab Sample ID: 880-64034-38

Date Collected: 10/16/25 16:50

Matrix: Solid

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	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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (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

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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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	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+

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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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (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

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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

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
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

Matrix: Solid

Analysis Batch: 121944

Client Sample ID: TH-14 (1')

Prep Type: Total/NA

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

Matrix: Solid

Analysis Batch: 121944

Client Sample ID: TH-14 (1')

Prep Type: Total/NA

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

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
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

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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

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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

	MS	MS	
Surrogate	%Recovery	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

	MSD	MSD	
Surrogate	%Recovery	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

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	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

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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

	MB	MB							
Surrogate	%Recovery	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

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil
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

	MB	MB							
Surrogate	%Recovery	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

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

	LCS	LCS							
Surrogate	%Recovery	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

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

	LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	100		70 - 130						

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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

	LCSD	LCSD	
Surrogate	%Recovery	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

	MB	MB							
Analyte	Result	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

	MB	MB							
Surrogate	%Recovery	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

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

	LCS	LCS	
Surrogate	%Recovery	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

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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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

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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

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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

	MB	MB								
Surrogate	%Recovery	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

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1190		mg/Kg		119	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1133		mg/Kg		113	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	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

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

	LCSD	LCSD										
Surrogate	%Recovery	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

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

	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	120		70 - 130									
o-Terphenyl	133	S1+	70 - 130									

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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

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	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

Matrix: Solid

Analysis Batch: 121724

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 08:58	1

Lab Sample ID: LCS 880-121704/2-A

Matrix: Solid

Analysis Batch: 121724

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Matrix: Solid

Analysis Batch: 121724

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	257.7		mg/Kg		103	90 - 110	3	20

Lab Sample ID: 880-64034-4 MS

Matrix: Solid

Analysis Batch: 121724

Client Sample ID: TH-15 (4')

Prep Type: Soluble

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

Matrix: Solid

Analysis Batch: 121724

Client Sample ID: TH-15 (4')

Prep Type: Soluble

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

Eurofins Midland

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

Eurofins Midland

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						Client Sample ID: Lab Control Sample					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 121751											
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						Client Sample ID: Lab Control Sample Dup					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 121751											
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						Client Sample ID: TH-30 (4')					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 121751											
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						Client Sample ID: TH-30 (4')					
Matrix: Solid						Prep Type: Soluble					
Analysis Batch: 121751											
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	

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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

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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	

Eurofins Midland

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	

Eurofins Midland

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

Eurofins Midland

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	

Eurofins Midland

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	

Eurofins Midland

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	

Eurofins Midland

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

Eurofins Midland

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

Date Collected: 10/16/25 14:00

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 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

Date Collected: 10/16/25 14:05

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 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

Date Collected: 10/16/25 14:10

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
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

Date Collected: 10/16/25 14:15

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			5.03 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

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-15 (4')

Lab Sample ID: 880-64034-4

Date Collected: 10/16/25 14:15

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	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

Date Collected: 10/16/25 14:20

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			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

Date Collected: 10/16/25 14:25

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			4.97 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

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
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

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-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

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-19 (1')

Lab Sample ID: 880-64034-11

Date Collected: 10/16/25 14:50

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			5.03 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

Date Collected: 10/16/25 14:50

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 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

Date Collected: 10/16/25 15:00

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			4.97 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

Date Collected: 10/16/25 15:05

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			5.05 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')

Lab Sample ID: 880-64034-14

Date Collected: 10/16/25 15:05

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	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')

Lab Sample ID: 880-64034-15

Date Collected: 10/16/25 15:10

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
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')

Lab Sample ID: 880-64034-16

Date Collected: 10/16/25 15:15

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	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')

Lab Sample ID: 880-64034-17

Date Collected: 10/16/25 15:20

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	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')

Lab Sample ID: 880-64034-17

Date Collected: 10/16/25 15:20

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
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')

Lab Sample ID: 880-64034-18

Date Collected: 10/16/25 15:25

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			4.97 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')

Lab Sample ID: 880-64034-19

Date Collected: 10/16/25 15:30

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
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')

Lab Sample ID: 880-64034-20

Date Collected: 10/16/25 15:35

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			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

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-24 (1')

Lab Sample ID: 880-64034-21

Date Collected: 10/16/25 15:40

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			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')

Lab Sample ID: 880-64034-22

Date Collected: 10/16/25 15:45

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			4.98 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')

Lab Sample ID: 880-64034-23

Date Collected: 10/16/25 15:50

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	10/26/25 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')

Lab Sample ID: 880-64034-24

Date Collected: 10/16/25 15:55

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			5.03 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')

Lab Sample ID: 880-64034-24

Date Collected: 10/16/25 15:55

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	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')

Lab Sample ID: 880-64034-25

Date Collected: 10/16/25 16:00

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		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')

Lab Sample ID: 880-64034-26

Date Collected: 10/16/25 16:05

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			4.97 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')

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
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

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-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
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

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			5.03 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

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		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

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			4.97 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

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-30 (4')

Lab Sample ID: 880-64034-34

Date Collected: 10/16/25 16:43

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			5.05 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

Date Collected: 10/16/25 16:35

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			5.00 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

Date Collected: 10/16/25 16:40

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			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

Date Collected: 10/16/25 16:45

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			4.98 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')
Date Collected: 10/16/25 16:45
Date Received: 10/20/25 14:05

Lab Sample ID: 880-64034-37
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 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')
Date Collected: 10/16/25 16:50
Date Received: 10/20/25 14:05

Lab Sample ID: 880-64034-38
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 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 Midland

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



Environment Testing
Xenco



880-64034 Chain of Custody

www.xenco.com Page 1 of 4

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	

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		Wet loc: Yes No Yes	

SAMPLE RECEIPT		Temp Blank:		Yes (No)		Thermometer ID:		Correction Factor:		Temperature Reading:		Corrected Temperature:		Total Containers:		
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Pres. Code	Parameters								
TH-14 (1')	S	10/16/2025	1400	1'	G	1	X	Chlorides								None: NO
TH-14 (4')	S	10/16/2025	1405	4'	G	1	X	BTX								Cool: Cool
TH-15 (1')	S	10/16/2025	1410	1'	G	1	X	TPH 8015 M								HCL: HC
TH-15 (4')	S	10/16/2025	1415	4'	G	1	X									H ₂ SO ₄ : H ₂
TH-16 (1')	S	10/16/2025	1420	1'	G	1	X									H ₃ PO ₄ : HP
TH-16 (4')	S	10/16/2025	1425	4'	G	1	X									NaHSO ₄ : NABIS
TH-17 (1')	S	10/16/2025	1430	1'	G	1	X									Na ₂ S ₂ O ₃ : NaSO ₃
TH-17 (4')	S	10/16/2025	1435	4'	G	1	X									Zn Acetate+NaOH: Zn
TH-18 (1')	S	10/16/2025	1440	1'	G	1	X									NaOH+Ascorbic Acid: SAPC
TH-18 (4')	S	10/16/2025	1445	4'	G	1	X									

Total 200.7 / 6010 200.8 / 6020:		8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn	
Circle Method(s) and Meta(s) to be analyzed		TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471	

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$65.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Cindy Crain</i>	<i>[Signature]</i>	10/16/2025 1405			
3					
5					

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199



Environment Testing
 Xenco

Work Order No: _____

www.xenco.com Page 2 of 4

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			

Project Name: Lamunyon 56 (CTB)		Turn Around		ANALYSIS REQUEST		Preservative Codes	
Project Number: NA		☒ Routine ☐ Rush				None: NO DI Water: H ₂ O	
Project Location: Lea Co., NM		Due Date:				Cool: Cool MeOH: Me	
Sampler's Name: Cindy Crain		TAT starts the day received by the lab, if received by 4:30pm				HCL: HC HNO ₃ : HN	
PO #: NA						H ₂ SO ₄ : H ₂ NaOH: Na	

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code	Sample Comments
TH-19 (1')	S	10/16/2025	1450	1'	G	1	TPH 8015 M		
TH-19 (4')	S	10/16/2025	1450	4'	G	1	BTX		
TH-20 (1')	S	10/16/2025	1500	1'	G	1	Chlorides		
TH-20 (4')	S	10/16/2025	1505	4'	G	1			
TH-21 (1')	S	10/16/2025	1510	1'	G	1			
TH-21 (4')	S	10/16/2025	1515	4'	G	1			
TH-22 (1')	S	10/16/2025	1520	1'	G	1			
TH-22 (4')	S	10/16/2025	1525	4'	G	1			
TH-23 (1')	S	10/16/2025	1530	1'	G	1			
TH-23 (4')	S	10/16/2025	1535	4'	G	1			

Total 200.7 / 6010 200.8 / 6020:		8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn	
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631/245.1/7470 / 7471	

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Cindy Crain</i>	<i>[Signature]</i>	10/20/25 10:15			

Revised Date: 09/25/2020 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

Action 530483

QUESTIONS

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 530483
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2412157442
Incident Name	NAPP2412157442 C E LAMUNYON #056 @ 30-025-33254
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-33254] C E LAMUNYON #056

Location of Release Source	
Please answer all the questions in this group.	
Site Name	C E LAMUNYON #056
Date Release Discovered	04/29/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Crude Oil Released: 150 BBL Recovered: 145 BBL Lost: 5 BBL.
Produced Water Released (bbls) Details	Not answered.
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, Page 2

Action 530483

QUESTIONS (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 530483
	Action Type: [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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>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.</i>	

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 Email: cindy.crain@gmail.com Date: 11/30/2025
--	--

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QUESTIONS, Page 3

Action 530483

QUESTIONS (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 530483
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	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
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	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
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 530483

QUESTIONS (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 530483
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Cindy Crain Email: cindy.crain@gmail.com Date: 11/30/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 530483

QUESTIONS (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 530483
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
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, Page 6

Action 530483

QUESTIONS (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 530483
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	514345
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/16/2025
What was the (estimated) number of samples that were to be gathered	36
What was the sampling surface area in square feet	40000

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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Sante Fe Main Office
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<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 530483

CONDITIONS

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 530483
	Action Type: [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