

Released Volume Calculation			
Length	50 feet		
Width	29 feet		
Thickness	2 in		
	Gals	Bbls	
	2900	69.04762	Est. Total Bbls Released

Volume = L*W*T

Total Released Volume = 2900 gallons (US, dry)
69.05 bbls

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 335348

QUESTIONS

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 335348
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2410851745
Incident Name	NAPP2410851745 C E LAMUNYON #023 @ 30-025-22402
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-025-22402] C E LAMUNYON #023

Location of Release Source	
Please answer all the questions in this group.	
Site Name	C E Lamunyon #023
Date Release Discovered	04/16/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water 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	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Well Produced Water Released: 70 BBL Recovered: 60 BBL Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 335348

QUESTIONS (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 335348
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Alexis Bolanos Title: Production & Regulatory Analyst Email: alex@faenergyus.com Date: 04/19/2024
--	--

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QUESTIONS, Page 3

Action 335348

QUESTIONS (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 335348
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
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	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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CONDITIONS

Action 335348

CONDITIONS

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 335348
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	4/19/2024



Revision II: Site Characterization Report and Remediation Workplan

August 26, 2026

**Lamunyon #023
Produced Water Release
Incident No. nAPP2410851745
Lea County, New Mexico**

Prepared For:

FAE II Operating, LLC
11757 Katy Freeway, Suite 725
Houston, Texas 77079

Prepared By:

Crain Environmental
2925 East 17th Street
Odessa, Texas 79761

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	3
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	Summary of Initial Delineation Activities	5
4.6	Summary of Remediation Activities	6
4.7	Laboratory Analytical Data Quality Assurance/Quality Control Results	7
5.0	PROPOSED REMEDIATION WORKPLAN	7
6.0	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

APPENDICES

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



1.0 Introduction

Crain Environmental (CE), on behalf of FAE II Operating, LLC (FAE), has prepared this Revision II: Site Characterization Report and Remediation Workplan for the produced water release at Lamunyon #023 (Site), located approximately 10 miles southeast of Eunice, in Lea County, New Mexico. The global positioning system (GPS) coordinates for the release are 32.2807884, -103.1657257. 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 16, 2024, a release from the well at the Lamunyon #023 was discovered. As a result, approximately 70 barrels (bbls) of produced water were released. Immediately following the release, the area was secured, a vacuum truck was mobilized to the Site, and the well was repaired. The released fluid covered a surface area of approximately 81,480 square feet. Approximately 60 bbls of fluid were recovered. The release point and the surface extent of the release are depicted on Figure 2.

A Notification of Release (NOR) was submitted to the New Mexico Oil Conservation Division (NMOCD) on April 17, 2024, and Incident #nAPP2410851745 was assigned.

On October 3, 2024, the NMOCD approved an extension request until December 16, 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 15, 2025, a Site Characterization Report and Remediation Workplan (Workplan) was submitted to the NMOCD. On May 14, 2025, the Workplan was approved with the following conditions:

- At this time, a variance request for the incident is not approved. The variance request must include a detailed statement explaining the need for a variance demonstrating that the variance will provide equal or better protection of fresh water, public health, and the environment.
- If there are not wells within ½ mile of the site and/or the data from that well is more than 25 years old, a borehole can be drilled to 51' or 101'. If water is not detected in the open borehole after a 72-hour period, the OCD will accept this as a viable determination of depth to groundwater. A copy of the driller's log is required.
- The remediation work plan is approved. All areas not reasonably needed for production or subsequent drilling operations must be reclaimed to contain a minimum of four feet of non-waste containing earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene.

Following the location and depth measurement of well CP 00375 POD 1 on April 23, 2025, a Revised Site Characterization Report and Remediation Workplan was submitted on July 12, 2026, to request a variance in sample constituents for laboratory analysis and propose a less stringent sampling frequency. On July 21, 2026, the Workplan was rejected for the following reasons:



- Revised Site Characterization Report and Remediation Work Plan is denied based on the following: 1. The sampling diagram on page 16 of the PDF does not include a direction point and is missing a scale. Please provide a clearer image or topographic map. Also, based on the diagram alone, it is unclear how far apart the sampling points are spaced from each other. 2. The variance request to only include chloride as part of confirmation sample analysis is denied as Ethylbenzene appeared in at least one sample (S-1) at 1'. A variance request must demonstrate a need and how it will provide equal or better protection to public health, property, the environment and groundwater.

This Revision II: Site Characterization Report and Remediation Workplan has been prepared in accordance with 19.15.29.11 New Mexico Administrative Code (NMAC) and provides direction point and scale on Figure 2, revises the sample variance request, and includes a statement regarding protection to the public health, property, the environment, and groundwater. Appendix A provides a copy of NMOCD correspondence.

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 three additional wells are located within 1 mile of the Site (CP 00480 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 no water wells were located within 1 mile of the Site. 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 is provided in Appendix B.

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.

Nearby Water Wells

Well ID	Location from Release Site	Year Installed	Use	Total Depth / Depth to Water (feet bgs)
CP 00375 POD 1	Approx. 2,086 feet to NE	Unknown	N/A	160 / Unknown
CP 00480 POD 1	Approx. 5,218 feet to NE	1968	N/A	6,281 / 600
CP 01555 POD 1	Approx. 4,873 feet to SE	Unknown	N/A	Unknown / Unknown
CP 00407	Approx. 3,257 feet to SW	Unknown	N/A	Unknown / Unknown

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, the moderately stringent Closure Criteria (associated with depths of 51 to 100 feet 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
 bgs = below ground surface
 mg/kg = milligrams per kilogram
 GRO = gasoline range organics
 DRO = diesel range organics
 MRO = motor oil range organics



TPH = total petroleum hydrocarbons

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 Sections 3.1 and 3.4, 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, depth to groundwater is estimated to be between 50' and 100' 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 Summary of Initial Delineation Activities

Prior to the soil investigation, an Electromagnetic (EM) Survey was conducted by Atkins Engineering (Atkins) of Carlsbad, New Mexico. On January 17, 2025, soil samples (S-1 through S-15) were collected at 15 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 depths of 1', 2', 3', and a total depth of 4.1' bgs. Soil samples were placed in clean glass sample jars, properly labeled, and immediately placed on ice. Samples from a depth of 1' and 4.1' bgs were 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. The remaining samples were kept refrigerated in case further analysis was warranted.



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 the Closure Criteria (assuming depth to groundwater is greater than 100' bgs) in samples from S-1, S-2, S-5, S-7, S-11, S-13, S-14, and S-15.

Upon receipt of the laboratory results, samples from S-3, S-6, and S-8 at depths of 2' and 3' bgs were submitted to Eurofins for chloride analysis.

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

Chloride concentrations were reported above the Closure Criteria in samples from S-3 (1' and 3' bgs), S-4 (1' bgs), S-6 (1' bgs), S-8 (1' bgs), S-9 (1' bgs), S-10 (1' bgs), and S-12 (1' bgs).

4.6 Summary of Remediation Activities

Following approval of the Site Characterization Report and Remediation Workplan (Workplan) on May 14, 2025, excavation of impacted soil began in November of 2025. Approximately 9,680 cubic yards of excavated soil have been hauled to J&L Landfarm for disposal and waste manifests will be provided in the Closure Report.

Excavation continued at all areas of the Site where test hole results showed chloride impacts, until five-point confirmation samples were collected from the sidewalls (S-1 through S-20) and from the bottom (B-1 through B-10) of the excavation on March 13, 2026. Excavation continued and five-point confirmation samples were also collected from the sidewalls (S-21 through S-30) and from the bottom (B-5, B-7, B-9, B-10, and B-11 through B-16) on June 24, 2026.

All soil samples were placed in clean glass sample jars, properly labeled, and immediately placed on ice. Samples collected on March 13, 2026 were hand delivered to Eurofins Environment Testing (Eurofins) in Midland, Texas under proper chain-of-custody control for analysis of TPH by Environmental Protection Agency (EPA) SW-846 Method 8015 Modified and chlorides by Method EPA Method 300.0.

Samples collected on June 24, 2026, were submitted by courier to Envirotech for analysis of TPH and chlorides.

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



Referring to Table 1, bottom samples B-12 through B-16 reported chloride concentrations above the Closure Criteria, and additional excavation will be conducted prior to collection of final confirmation samples.

4.7 Laboratory Analytical Data Quality Assurance/Quality Control Results

Data reported in Job Numbers 880-53406-1, 880-53650-1, and 880-69664-1 generated by Eurofins, and Job Number 26024-0001 generated by Envirotech, were 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

Benzene, BTEX, and TPH concentrations were reported below the test method detection limits or Closure Criteria in all initial samples. Ethylbenzene was only reported above the test method detection limit (0.0103 mg/kg) in one sample (S-1 at 1'), and that soil was excavated and disposed. Concentrations of TPH were reported below the test method detection limits in all samples. Concentrations of chlorides have been reported above the Closure Criteria in several samples, as listed on Table 1 and shown on Figure 2, and remediation of chloride impacts continues.

FAE proposes to continue excavation of all impacted soil until five-point confirmation samples collected from the bottom and sidewalls of the excavation report chloride concentrations below the NMOCD Closure Criteria. All excavated material will continue be transported under manifest to J&L Landfarm.

As depth to groundwater has been determined to be greater than 80' bgs, the affected surface area covers approximately 81,480 square feet, approximately 9,680 cubic yards of soil has been excavated and disposed, TPH and BTEX concentrations have not been encountered in any significant concentration, and chloride concentrations do not appear to extend below 5' bgs, the following sample variances are proposed:

- FAE requests a variance that each confirmation sample will be analyzed only for chlorides. Pursuant to 19.15.29.12(D) NMAC, confirmation samples will consist of five-point composite samples, and discrete grab samples will be collected from any wet or discolored areas.
- Due to the large footprint of the Site, FAE requests a variance from the NMOCD requirement of one soil sample per 200 square feet for confirmation sampling. FAE requests composite confirmation sample collection be performed for each 400 square feet of excavation floor and each 30 linear feet of excavation sidewall.

Given a depth to groundwater of at least 80' bgs and an adequate number of samples have been collected and analyzed to provide proof that TPH and BTEX are not chemicals of concern, these variances will provide equal or better protection of fresh water, public health, and the environment, as excavation will continue until chloride concentrations are reported below the Closure Criteria and any remnants of TPH or BTEX constituents will be excavated and disposed in the process.



Upon receipt of laboratory results that all chloride concentrations are below the Closure Criteria, the excavation will be backfilled to grade with non-impacted similar material obtained from a landowner pit. Pursuant to 19.15.29.13 NMAC, the impacted surface areas will be restored to pre-release conditions. Surface grading will be performed to near original conditions and contoured to prevent erosion and ponding, promote stability, and preserve storm water flow patterns.

FAE respectfully requests a remediation schedule of 90 days from the date of NMOCD approval of this Sample Variance Request to complete the proposed remediation activities and submit a *Remediation Summary and Closure Report* for NMOCD approval. The Closure Report will summarize remediation activities and confirmation sampling results and will include photographs of the final excavation.

6.0 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: Huxley Song
Forty Acres Energy, LLC
11757 Katy Freeway, Suite 725
Houston, Texas 77079



TABLE

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
FAE II OPERATING, LLC
LAMUNYON #023
NMOCD INCIDENT # nAPP2410851745

Sample ID	Sample Date	Sample DepS	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
CONFIRMATION SIDEWALL SAMPLES													
S-1 (1')	01/17/25	1'	Excavated	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	0.0103	<0.00397	<0.00397	526
S-1 (4.1')	01/17/25	4.1'	Excavated	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	2,230
S-1	03/13/26	0-4.1'	In Situ	<50.2	<50.2	<50.2	<50.2	<50.2	---	---	---	---	317
S-2 (1')	01/17/25	1'	Excavated	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	311
S-2 (4.1')	01/17/25	4.1'	Excavated	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	310
S-2 (4.1')	03/13/26	0-4.1'	In Situ	<49.9	<49.9	<49.9	<49.9	---	---	---	---	---	310
S-3 (1')	01/17/25	1'	Excavated	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,600
S-3 (2')	01/17/25	2'	Excavated	--	--	--	--	--	--	--	--	--	356
S-3 (3')	01/17/25	3'	Excavated	--	--	--	--	--	--	--	--	--	807
S-3 (4.1')	01/17/25	4.1'	Excavated	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	58.0
S-3	03/13/26	0-4.1'	In Situ	<49.9	<49.9	<49.9	<49.9	---	---	---	---	---	326
S-5 (1')	01/17/25	1'	Excavated	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	51.1
S-5 (4.1')	01/17/25	4.1'	Excavated	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,550
S-5	03/13/26	0-4.1'	In Situ	<49.8	<49.8	<49.8	<49.8	---	---	---	---	---	307
S-6 (1')	01/17/25	1'	Excavated	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	7,500
S-6 (2')	01/17/25	2'	Excavated	--	--	--	--	--	--	--	--	--	96.8
S-6 (3')	01/17/25	3'	Excavated	--	--	--	--	--	--	--	--	--	104
S-6 (4.1')	01/17/25	4.1'	Excavated	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	28.7
S-6	03/13/26	0-4.1'	In Situ	<50.0	<50.0	<50.0	<50.0	---	---	---	---	---	301
S-7 (1')	01/17/25	1'	Excavated	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	186
S-7 (4.1')	01/17/25	4.1'	Excavated	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	179
S-7	03/13/26	0-4.1'	In Situ	<49.8	<49.8	<49.8	<49.8	---	---	---	---	---	307
S-8 (1')	01/17/25	1'	Excavated	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,020
S-8 (2')	01/17/25	2'	Excavated	--	--	--	--	--	--	--	--	--	68.7
S-8 (3')	01/17/25	3'	Excavated	--	--	--	--	--	--	--	--	--	15.0
S-8 (4.1')	01/17/25	4.1'	Excavated	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	25.0
S-8	03/13/26	0-4.1'	In Situ	<50.0	<50.0	<50.0	<50.0	---	---	---	---	---	316
S-10 (1')	01/17/25	1'	Excavated	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	3,120
S-10 (4.1')	01/17/25	4.1'	Excavated	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,240
S-10	03/13/26	0-4.1'	In Situ	<49.9	<49.9	<49.9	<49.9	---	---	---	---	---	308
S-12 (1')	01/17/25	1'	Excavated	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,040
S-12 (4.1')	01/17/25	4.1'	Excavated	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	5,780
S-12	03/13/26	0-4.1'	In Situ	<50.0	<50.0	<50.0	<50.0	---	---	---	---	---	312
S-14 (1')	01/17/25	1'	Excavated	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	71.6
S-14 (4.1')	01/17/25	4.1'	Excavated	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	56.1
S-14	03/13/26	0-4.1'	In Situ	<49.9	<49.9	<49.9	<49.9	---	---	---	---	---	333
S-15 (1')	01/17/25	1'	Excavated	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	513
S-15 (4.1')	01/17/25	4.1'	Excavated	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	2,200
S-15	03/13/26	0-4.1'	In Situ	<50.0	<50.0	<50.0	<50.0	---	---	---	---	---	315
S-16	03/13/26	0-4.1'	In Situ	<49.9	<49.9	<49.9	<49.9	---	---	---	---	---	349
S-17	03/13/26	0-4.1'	In Situ	<49.9	<49.9	<49.9	<49.9	---	---	---	---	---	316
S-18	03/13/26	0-4.1'	In Situ	<50.0	<50.0	<50.0	<50.0	---	---	---	---	---	323
S-19	03/13/26	0-4.1'	In Situ	<49.9	<49.9	<49.9	<49.9	---	---	---	---	---	309
S-20	03/13/26	0-4.1'	In Situ	<49.9	<49.9	<49.9	<49.9	---	---	---	---	---	342
S-21	06/24/26	0-4.1'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	200
S-22	06/24/26	0-4.1'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	92.6
S-23	06/24/26	0-4.1'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	198
S-24	06/24/26	0-4.1'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	203
S-25	06/24/26	0-4.1'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	202
S-26	06/24/26	0-4.1'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	213
S-27	06/24/26	0-4.1'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	204
S-28	06/24/26	0-4.1'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	206
S-29	06/24/26	0-4.1'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	229
S-30	06/24/26	0-4.1'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	191

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
FAE II OPERATING, LLC
LAMUNYON #023
NMOCD INCIDENT # nAPP2410851745

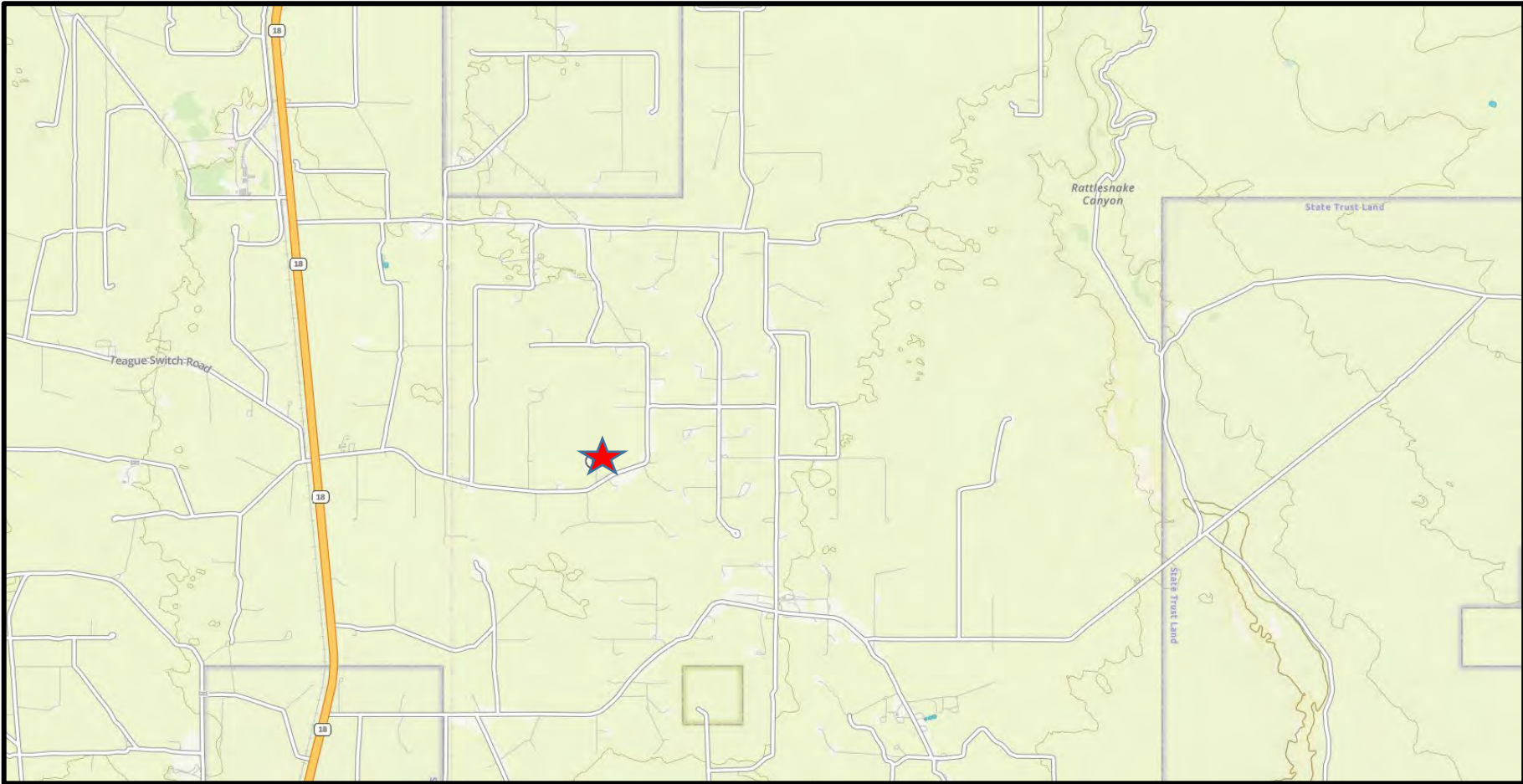
Sample ID	Sample Date	Sample DepS	Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
				milligrams per kilogram (mg/kg)									
NMOCD Closure Criteria							100	10	-	-	-	50	600
NMOCD Closure Criteria (>4' bgs)				GRO + DRO = 1,000		-	2,500	10	-	-	-	50	10,000
CONFIRMATION BOTTOM SAMPLES													
S-4 (1')	01/17/25	1'	Excavated	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,290 F1
S-4 (4.1')	01/17/25	4.1'	Excavated	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,140
S-4	03/13/26	4.1'	In Situ	<50.0	<50.0	<50.0	<50.0	---	---	---	---	---	344
S-9 (1')	01/17/25	1'	Excavated	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	3,020 F1
S-9 (4.1')	01/17/25	4.1'	Excavated	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	5,410
S-9	03/13/26	4.5'	In Situ	<49.8	<49.8	<49.8	<49.8	---	---	---	---	---	366
S-11 (1')	01/17/25	1'	Excavated	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	304
S-11 (4.1')	01/17/25	4.1'	Excavated	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,770
S-11	03/13/26	4.5'	In Situ	<49.9	<49.9	<49.9	<49.9	---	---	---	---	---	317
S-13 (1')	01/17/25	1'	Excavated	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	287
S-13 (4.1')	01/17/25	4.1'	Excavated	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,560
S-13	03/13/26	4.5'	In Situ	<49.9	<49.9	<49.9	<49.9	---	---	---	---	---	319
B-1	03/13/26	4.1'	In Situ	<50.0	<50.0	<50.0	<50.0	---	---	---	---	---	9,900
B-2	03/13/26	4.1'	In Situ	<49.9	<49.9	<49.9	<49.9	---	---	---	---	---	7,460
B-3	03/13/26	4.1'	In Situ	<50.0	<50.0	<50.0	<50.0	---	---	---	---	---	102
B-4	03/13/26	4.1'	In Situ	<49.8	<49.8	<49.8	<49.8	---	---	---	---	---	266
B-5	03/13/26	4.1'	Excavated	<50.0	<50.0	<50.0	<50.0	---	---	---	---	---	10,700
B-5	06/24/26	4.5'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	<20.0
B-6	03/13/26	4.1'	In Situ	<49.8	<49.8	<49.8	<49.8	---	---	---	---	---	187
B-7	03/13/26	4.1'	Excavated	<49.8	<49.8	<49.8	<49.8	---	---	---	---	---	12,000
B-7	06/24/26	4.5'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	80.4
B-8	03/13/26	4.1'	In Situ	<50.2	<50.2	<50.2	<50.2	---	---	---	---	---	2,010
B-9	03/13/26	4.1'	Excavated	<50.3	<50.3	<50.3	<50.3	---	---	---	---	---	11,700
B-9	06/24/26	4.5'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	568
B-10	03/13/26	4.1'	Excavated	<50.1	<50.1	<50.1	<50.1	---	---	---	---	---	13,800
B-10	06/24/26	4.5'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	<20.0
B-11	06/24/26	4.1'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	134
B-12	06/24/26	4.1'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	30,900
B-13	06/24/26	4.1'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	17,800
B-14	06/24/26	4.1'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	27,400
B-15	06/24/26	4.1'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	21,000
B-16	06/24/26	4.1'	In Situ	<20.0	<25.0	<50.0	<50.0	---	---	---	---	---	11,400

Notes:

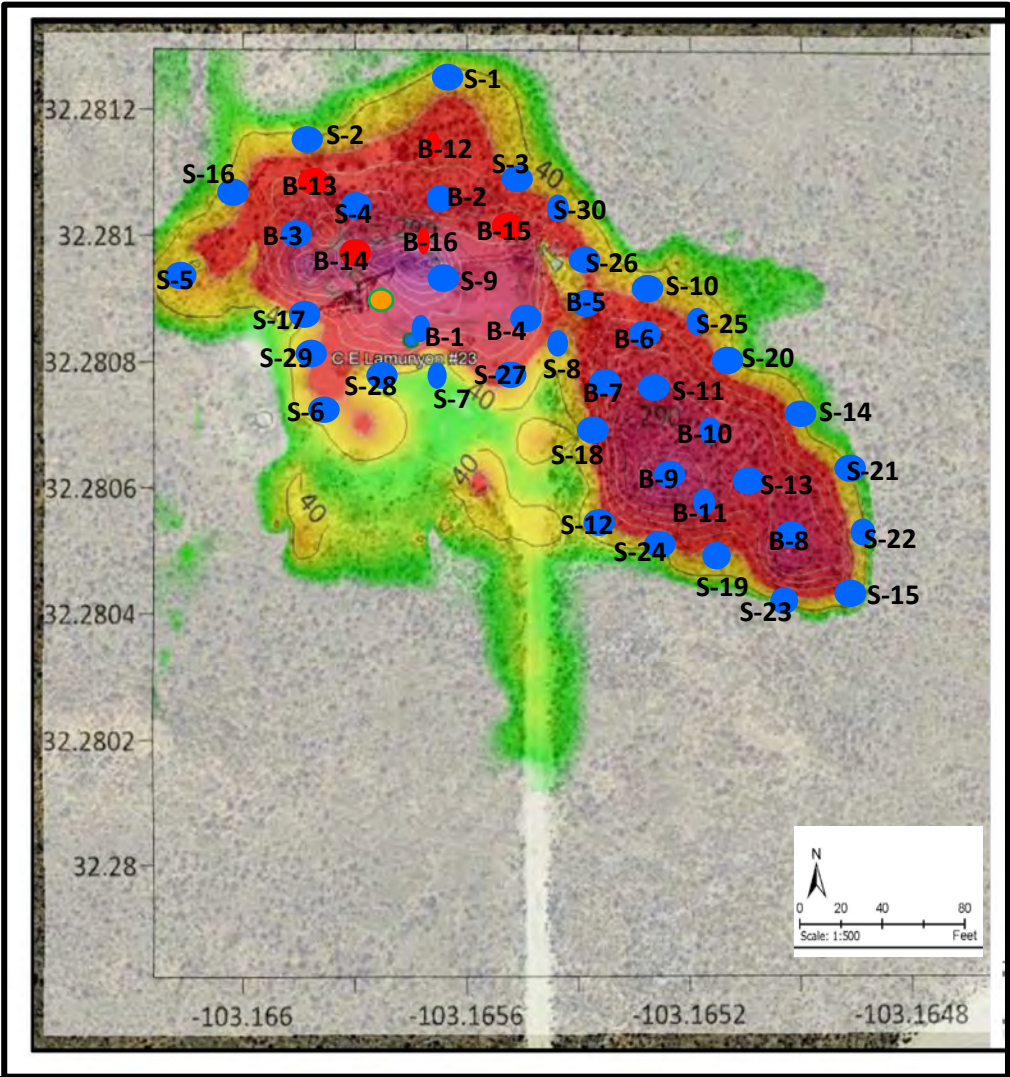
1. GRO: Gasoline Range Organics
2. DRO: Diesel Range Organics
3. MRO: Motor Oil Range Organics
4. -: No NMOCD Closure Criteria established.
5. bgs: Below Ground Surface
6. Bold indicates result was reported above the sample detection limit.
7. < Indicates concentration was reported below the sample detection limit.
8. Bold and yellow highlighting indicates concentration above the NMOCD Closure Criteria.
9. Green highlighting indicates soil was excavated and disposed.
9. F1: MS and/or MSD recovery exceeds control limits.
10. -: No analysis was conducted for the specified constituent.
11. Samples collected on 6/24/26 were analyzed by Envirotech.



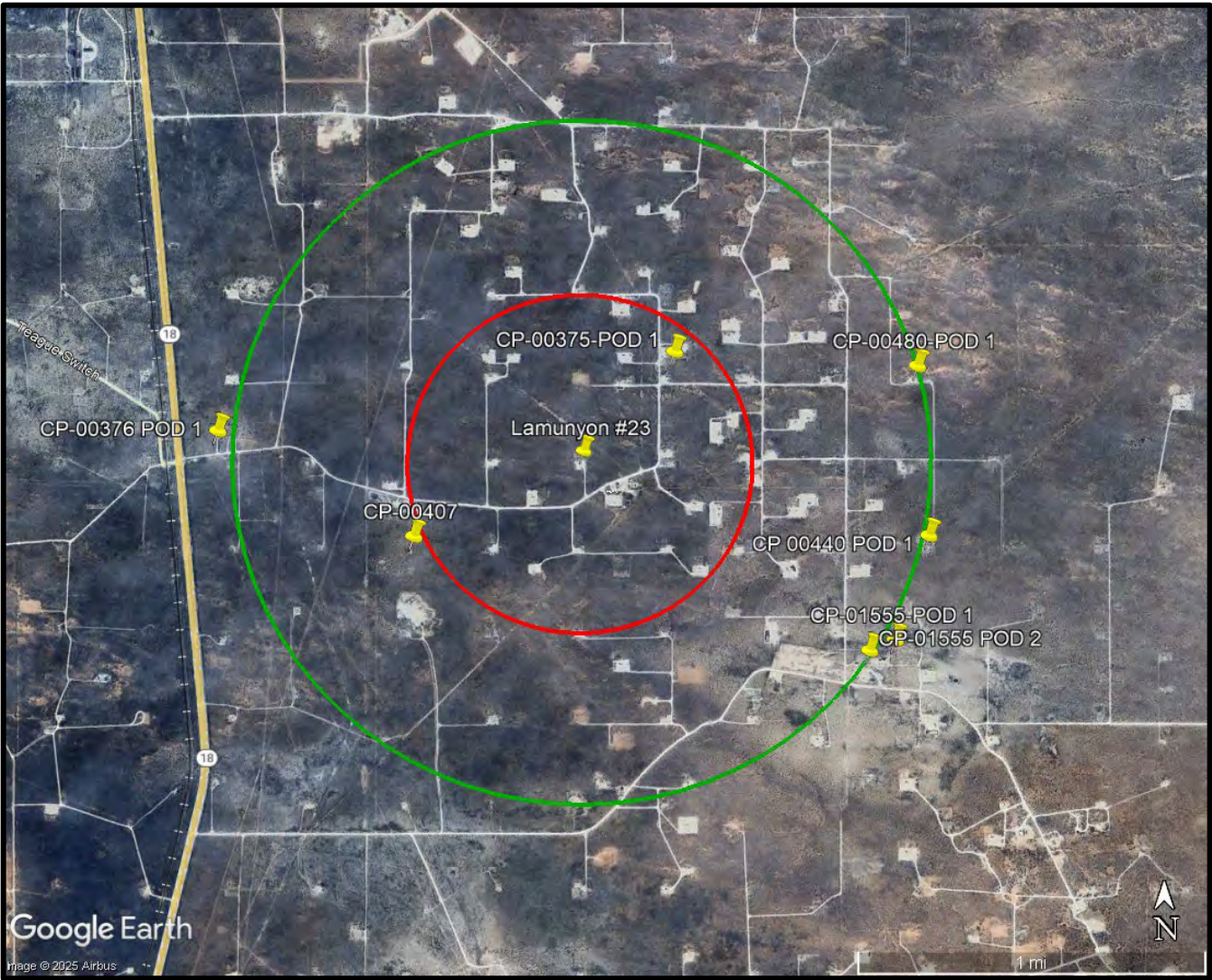
FIGURES



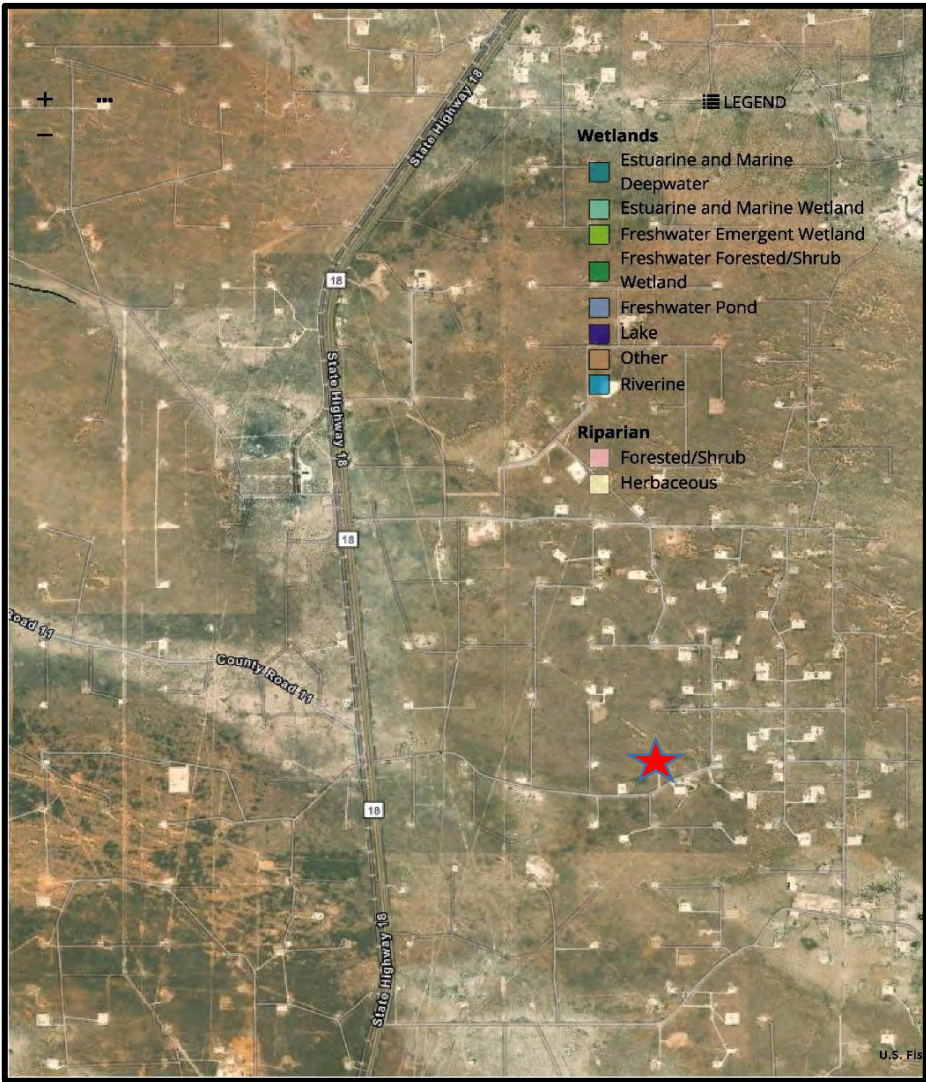
LEGEND:  Site Location Base Map From GAIA GPS	Figure 1 Site Location Map Forty Acres Energy, LLC Lamunyon #023 Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: March 14, 2025	
		GPS: 32.2807884° -103.1657257°	



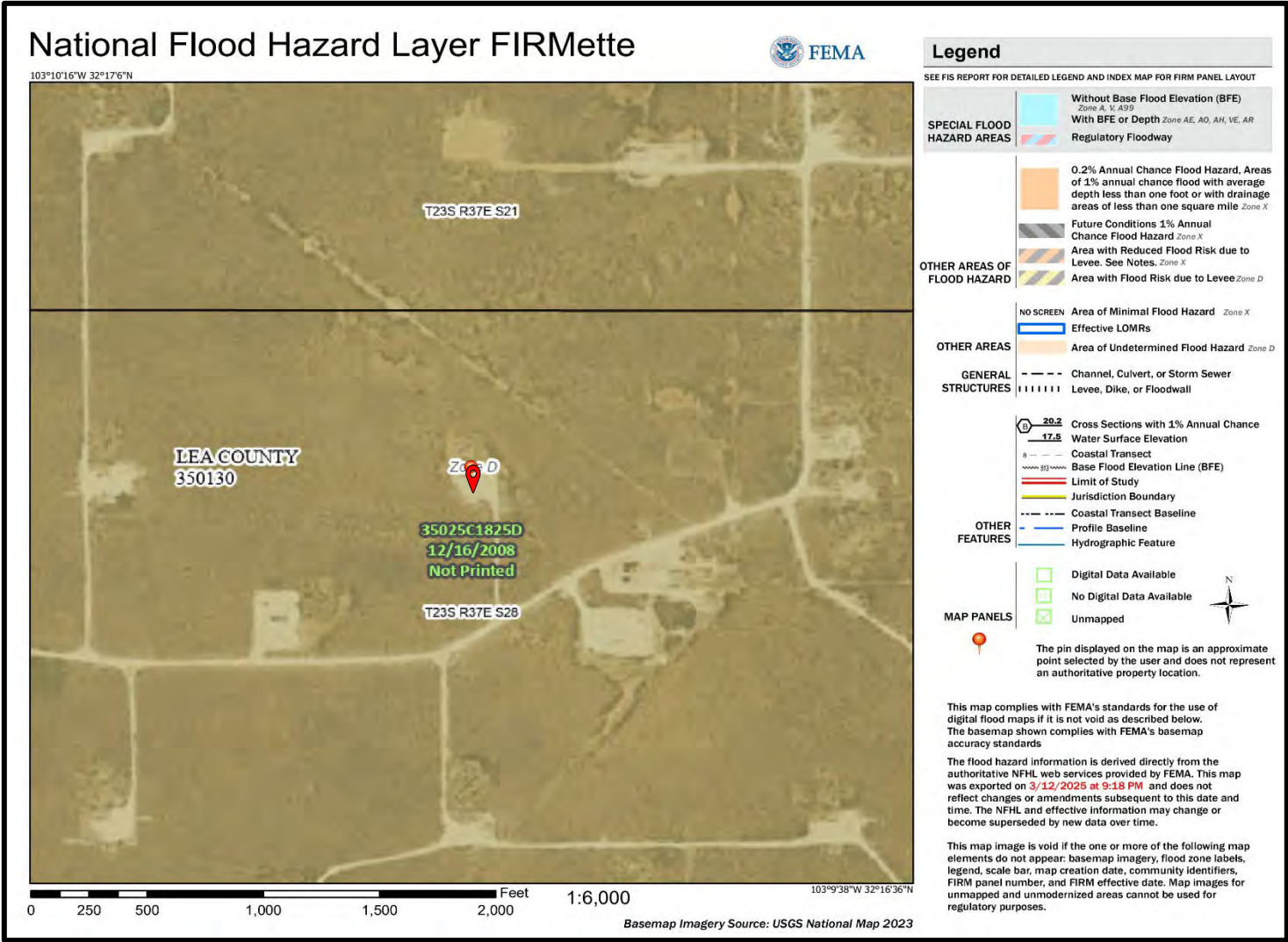
LEGEND: B-5 Soil Sample Location (Concentrations Above Closure Limit) S-1 Soil Sample Location (Concentrations Below Closure Limit) Release Point Base Map From Google Earth Pro	Figure 2 Sample Location Map FAE II Lamunyon #023 Lea County, New Mexico		Crain Environmental
		Drafted by: CC Checked by: CC	
		Draft: August 26, 2026	
		GPS: 32.2807884° -103.1657257°	



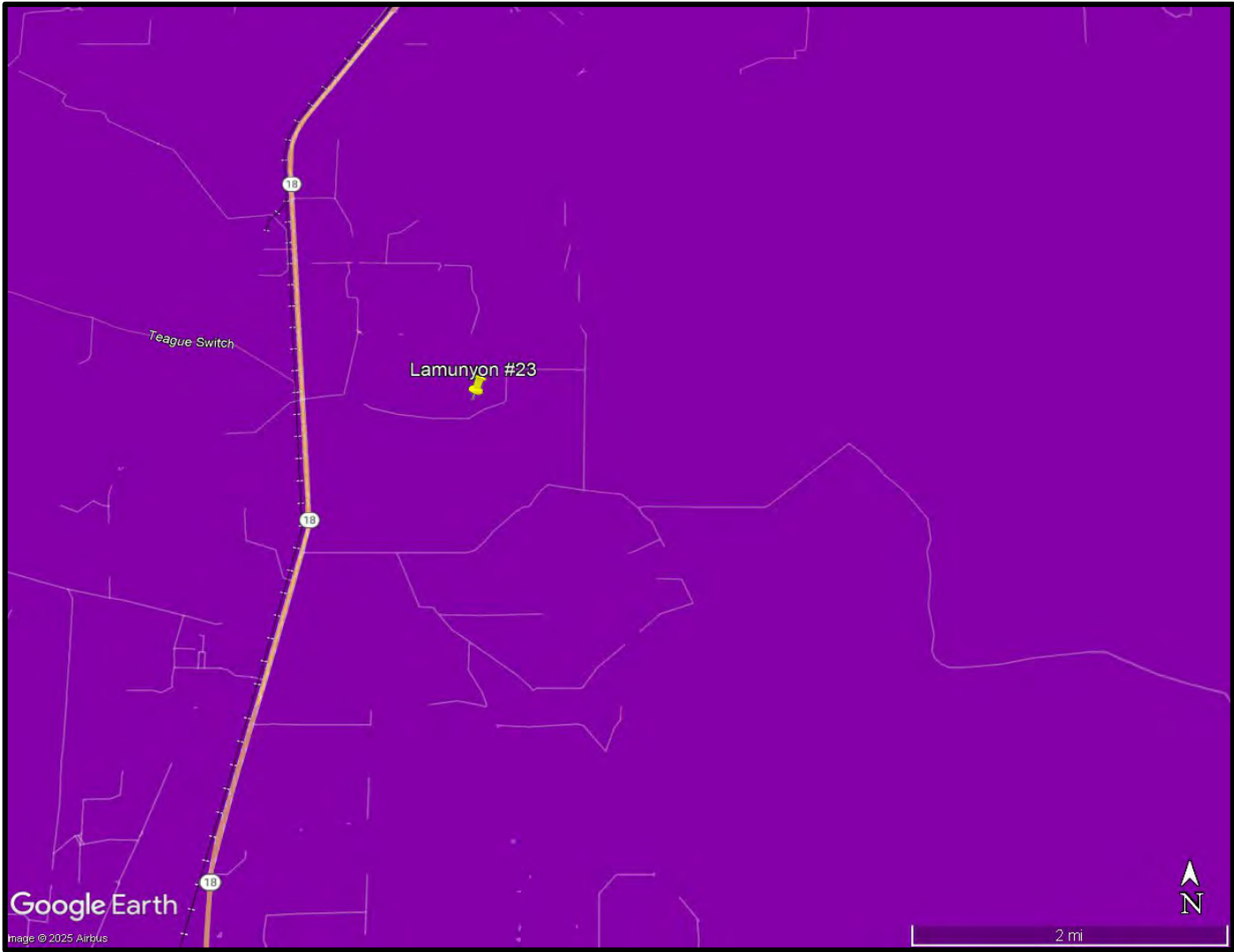
LEGEND:  Site and Well Location  0.5-Mile Radius  1-Mile Radius Base Map From Google Earth Pro	Figure 3 Wellhead Protection Area Map Forty Acres Energy, LLC Lamunyon #023 Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: March 14, 2025	
		GPS: 32.2807884° -103.1657257°	



LEGEND:  Site Location Base Map From US Fish & Wildlife Service	Figure 4 National Wetlands Inventory Map Forty Acres Energy, LLC Lamunyon #023 Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: March 14, 2025	
		GPS: 32.2807884° -103.1657257°	



LEGEND: Site Location Base Map From FEMA	Figure 5 FEMA Floodplain Map Forty Acres Energy, LLC Lamunyon #023 Lea County, New Mexico	Drafted by: CC Checked by: CC Draft: March 14, 2025 GPS: 32.2807884° -103.1657257°	



LEGEND: Low Karst Potential Medium Karst Potential High Karst Potential Base Map From Google Earth Pro and BLM	Figure 6 Karst Potential Map Forty Acres Energy, LLC Lamunyon #023 Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: March 14, 2025	
		GPS: 32.2807884° -103.1657257°	



Appendix A: NMOCD Correspondence



Cindy Crain <cindy.crain@gmail.com>

FW: FAE II Operating C141 Extension Request for Incident # nAPP2410851745 (C E Lamunyon #023)

1 message

Adam Holcomb <adam@faenergyus.com>
To: Cindy Crain <cindy.crain@gmail.com>

Wed, Dec 4, 2024 at 1:19 PM

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Thursday, October 3, 2024 8:16 AM
To: Alex Bolanos <alex@faenergyus.com>
Cc: Adam Holcomb <adam@faenergyus.com>
Subject: FAE II Operating C141 Extension Request for Incident # nAPP2410851745 (C E Lamunyon #023)

Good morning Alex,

Thank you for the correspondence.

The incident remediation closure report due date (RCRDD) had lapsed after July 15, 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 12/16/2024.

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 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 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: 442764

1 message

OCDOnline@state.nm.us <OCDOnline@state.nm.us>
To: cindy.crain@gmail.com

Wed, May 14, 2025 at 11:45 AM

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#) nAPP2410851745, with the following conditions:

- **At this time, a variance request for the incident is not approved. The variance request must include a detailed statement explaining the need for a variance demonstrating that the variance will provide equal or better protection of fresh water, public health, and the environment.**
- **If there are no wells within ½ mile of the site and/or the data from that well is more than 25 years old, a borehole can be drilled to 51' or 101'. If water is not detected in the open borehole after a 72-hour period, the OCD will accept this as a viable determination of depth to groundwater. A copy of the driller's log is required.**
- **The remediation work plan is approved. All areas not reasonably needed for production or subsequent drilling operations must be reclaimed to contain a minimum of four feet of non- waste containing earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene.**

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: 604122

1 message

OCDOnline@emnrd.nm.gov <OCDOnline@emnrd.nm.gov>
To: cindy.crain@gmail.com

Tue, Jul 21, 2026 at 10:36 AM

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#) nAPP2410851745, for the following reasons:

- **Revised Site Characterization Report and Remediation Work Plan is denied based on the following:** 1. The sampling diagram on page 16 of the PDF does not include a direction point and is missing a scale. Please provide a clearer image or topographic map. Also, based on the diagram alone, it is unclear how far apart the sampling points are spaced from each other. 2. The variance request to only include chloride as part of confirmation sample analysis is denied as Ethylbenzene appeared in at least one sample (S-1) at 1'. A variance request must demonstrate a need and how it will provide equal or better protection to public health, property, the environment and groundwater. Resubmit an amended work plan/site characterization plan no later than 30-days from receipt of this determination.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 604122.

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](#)



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 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 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.



Appendix C: Photographic Documentation

APPENDIX C
PHOTOGRAPHIC DOCUMENTATION - JANUARY 17, 2024
LAMUNYON #023



View of S-1.



View of S-2.



View of S-3.



View of S-4.



View of S-5.



View of S-6.



View of S-7.



View of S-8.

APPENDIX C
PHOTOGRAPHIC DOCUMENTATION - JANUARY 17, 2024
LAMUNYON #023



View of S-9.



View of S-10.



View of S-11.



View of S-12.



View of S-13.



View of S-14.



View of S-15.

APPENDIX C
PHOTOGRAPHIC DOCUMENTATION
LAMUNYON #023



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 (8/7/25).



View to N of excavation (3/13/26).

APPENDIX C
PHOTOGRAPHIC DOCUMENTATION
LAMUNYON #023



View to NE of excavation (3/13/26).



View to E of excavation (3/13/26).



View to E of excavation (3/13/26).



View to SW of excavation (3/13/26).



View to SE of excavation (3/13/26).



View to SE of excavation (3/13/26).



View to NW of excavation (3/13/26).



View to NW of excavation (3/13/26).

APPENDIX C
PHOTOGRAPHIC DOCUMENTATION
LAMUNYON #023



View to N of excavation (6/24/26).



View to NE of excavation (6/24/26).



View to E of excavation (6/24/26).



View to NW of excavation (6/24/26).



View to W of excavation (6/24/26).



View to SE of excavation (6/24/26).



View to W of excavation (6/24/26).



View to SE of excavation (6/24/26).

APPENDIX C
PHOTOGRAPHIC DOCUMENTATION
LAMUNYON #023



View to W of excavation (6/24/26).



View to S of excavation (6/24/26).



View to S of excavation (6/24/26).



View to SW of excavation (6/24/26).



View to W of excavation (6/24/26).



View to SW of excavation (6/24/26).



View to SE of excavation (6/24/26).



View to SE of excavation (6/24/26).

APPENDIX C
PHOTOGRAPHIC DOCUMENTATION
LAMUNYON #023



View of water well CP 00375 with GPS coordinates (7/9/26).



View of water well CP 00375 with GPS coordinates (7/9/26).



View of water well CP 00375 with GPS coordinates (7/9/26).



View of water well CP 00375 with GPS coordinates (7/9/26).



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



Environment Testing

1

2

3

4

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6

7

8

9

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11

12

13

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/23/2025 3:45:43 PM

JOB DESCRIPTION

Lamunyon 23
Lea Co, NM

JOB NUMBER

880-53406-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

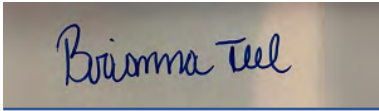
Eurofins Midland

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
1/23/2025 3:45:43 PM

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

Client: Crain Environmental
Project/Site: Lamunyon 23

Laboratory Job ID: 880-53406-1
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	31
QC Sample Results	33
QC Association Summary	43
Lab Chronicle	51
Certification Summary	61
Method Summary	62
Sample Summary	63
Chain of Custody	64

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

Definitions/Glossary

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
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
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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 23

Job ID: 880-53406-1

Job ID: 880-53406-1

Eurofins Midland

Job Narrative
880-53406-1

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 1/20/2025 2:07 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (1') (880-53406-1), S-1 (4.1') (880-53406-2), S-2 (1') (880-53406-3), S-2 (4.1') (880-53406-4), S-3 (1') (880-53406-5), S-3 (4.1') (880-53406-6), S-4 (1') (880-53406-7), S-4 (4.1') (880-53406-8), S-5 (1') (880-53406-9), S-5 (4.1') (880-53406-10), S-6 (1') (880-53406-11), S-6 (4.1') (880-53406-12), S-7 (1') (880-53406-13), S-7 (4.1') (880-53406-14), S-8 (1') (880-53406-15), S-8 (4.1') (880-53406-16), S-9 (1') (880-53406-17), S-9 (4.1') (880-53406-18), S-10 (1') (880-53406-19), S-10 (4.1') (880-53406-20), S-11 (1') (880-53406-21), S-11 (4.1') (880-53406-22), S-12 (1') (880-53406-23), S-12 (4.1') (880-53406-24), S-13 (1') (880-53406-25), S-13 (4.1') (880-53406-26), S-14 (1') (880-53406-27), S-14 (4.1') (880-53406-28), S-15 (1') (880-53406-29) and S-15 (4.1') (880-53406-30).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-100710 and analytical batch 880-100623 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-15 (1') (880-53406-29), S-15 (4.1') (880-53406-30) and (880-53413-A-1-G). 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: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: S-1 (4.1') (880-53406-2), S-2 (1') (880-53406-3), S-2 (4.1') (880-53406-4), S-3 (1') (880-53406-5), S-3 (4.1') (880-53406-6), S-4 (1') (880-53406-7), S-5 (1') (880-53406-9), S-6 (1') (880-53406-11), S-6 (4.1') (880-53406-12), S-7 (1') (880-53406-13), S-7 (4.1') (880-53406-14), S-8 (4.1') (880-53406-16), S-9 (4.1') (880-53406-18) and S-10 (4.1') (880-53406-20). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-1 (1') (880-53406-1). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-10 (1') (880-53406-19), (880-53406-A-1-B MS) and (880-53406-A-1-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-100701 and analytical batch 880-100739 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: S-12 (4.1') (880-53406-24), S-15 (4.1') (880-53406-30), (880-53406-A-21-B MS) and (880-53406-A-21-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-13 (4.1') (880-53406-26).

Eurofins Midland

Case Narrative

Client: Crain Environmental
Project: Lamunyon 23

Job ID: 880-53406-1

Job ID: 880-53406-1 (Continued)

Eurofins Midland

Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-100702 and analytical batch 880-100857 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: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: S-11 (4.1') (880-53406-22), S-12 (1') (880-53406-23), S-13 (1') (880-53406-25), S-14 (1') (880-53406-27), S-14 (4.1') (880-53406-28) and S-15 (1') (880-53406-29). Percent recoveries are based on the amount spiked.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-100804 and analytical batch 880-100872 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 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-1 (1')

Lab Sample ID: 880-53406-1

Date Collected: 01/17/25 13:15

Matrix: Solid

Date Received: 01/20/25 14:07

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		01/20/25 14:54	01/20/25 17:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/20/25 14:54	01/20/25 17:01	1
Ethylbenzene	0.0103		0.00198		mg/Kg		01/20/25 14:54	01/20/25 17:01	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/20/25 14:54	01/20/25 17:01	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/20/25 14:54	01/20/25 17:01	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/20/25 14:54	01/20/25 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	01/20/25 14:54	01/20/25 17:01	1
1,4-Difluorobenzene (Surr)	92		70 - 130	01/20/25 14:54	01/20/25 17:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0103		0.00397		mg/Kg			01/20/25 17:01	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			01/21/25 19:52	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 F1	49.8		mg/Kg		01/20/25 15:12	01/21/25 19:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/21/25 19:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/21/25 19:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130	01/20/25 15:12	01/21/25 19:52	1
o-Terphenyl	70		70 - 130	01/20/25 15:12	01/21/25 19:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	526		10.0		mg/Kg			01/21/25 17:45	1

Client Sample ID: S-1 (4.1')

Lab Sample ID: 880-53406-2

Date Collected: 01/17/25 13:30

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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		01/20/25 14:54	01/20/25 17:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:54	01/20/25 17:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:54	01/20/25 17:21	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/20/25 14:54	01/20/25 17:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:54	01/20/25 17:21	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/20/25 14:54	01/20/25 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	01/20/25 14:54	01/20/25 17:21	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-1 (4.1')

Lab Sample ID: 880-53406-2

Date Collected: 01/17/25 13:30

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	01/20/25 14:54	01/20/25 17:21	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			01/20/25 17:21	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 20:36	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		01/20/25 15:12	01/21/25 20:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 20:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 20:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				01/20/25 15:12	01/21/25 20:36	1
o-Terphenyl	67	S1-	70 - 130				01/20/25 15:12	01/21/25 20:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2230		50.1		mg/Kg			01/21/25 18:08	5

Client Sample ID: S-2 (1')

Lab Sample ID: 880-53406-3

Date Collected: 01/17/25 13:35

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:54	01/20/25 17:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:54	01/20/25 17:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:54	01/20/25 17:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/20/25 14:54	01/20/25 17:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:54	01/20/25 17:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/20/25 14:54	01/20/25 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/20/25 14:54	01/20/25 17:42	1
1,4-Difluorobenzene (Surr)	96		70 - 130	01/20/25 14:54	01/20/25 17:42	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			01/20/25 17:42	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			01/21/25 20:52	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-2 (1')

Lab Sample ID: 880-53406-3

Date Collected: 01/17/25 13:35

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/21/25 20:52	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/21/25 20:52	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/21/25 20:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	61	S1-	70 - 130				01/20/25 15:12	01/21/25 20:52	1
o-Terphenyl	60	S1-	70 - 130				01/20/25 15:12	01/21/25 20:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	311		10.1		mg/Kg			01/21/25 18:15	1

Client Sample ID: S-2 (4.1')

Lab Sample ID: 880-53406-4

Date Collected: 01/17/25 13:50

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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		01/20/25 14:54	01/20/25 18:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:54	01/20/25 18:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:54	01/20/25 18:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/20/25 14:54	01/20/25 18:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:54	01/20/25 18:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/20/25 14:54	01/20/25 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				01/20/25 14:54	01/20/25 18:03	1
1,4-Difluorobenzene (Surr)	99		70 - 130				01/20/25 14:54	01/20/25 18:03	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			01/20/25 18:03	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			01/21/25 21:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 21:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 21:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 21:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	66	S1-	70 - 130				01/20/25 15:12	01/21/25 21:06	1
o-Terphenyl	65	S1-	70 - 130				01/20/25 15:12	01/21/25 21:06	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-2 (4.1')

Date Collected: 01/17/25 13:50

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

Lab Sample ID: 880-53406-4

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		9.96		mg/Kg			01/21/25 18:23	1

Client Sample ID: S-3 (1')

Date Collected: 01/17/25 13:55

Date Received: 01/20/25 14:07

Sample Depth: 1'

Lab Sample ID: 880-53406-5

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		01/20/25 14:54	01/20/25 18:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/20/25 14:54	01/20/25 18:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/20/25 14:54	01/20/25 18:23	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/20/25 14:54	01/20/25 18:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/20/25 14:54	01/20/25 18:23	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/20/25 14:54	01/20/25 18:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				01/20/25 14:54	01/20/25 18:23	1
1,4-Difluorobenzene (Surr)	99		70 - 130				01/20/25 14:54	01/20/25 18:23	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			01/20/25 18:23	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 21:21	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	<50.0	U	50.0		mg/Kg		01/20/25 15:12	01/21/25 21:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/25 15:12	01/21/25 21:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 15:12	01/21/25 21:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				01/20/25 15:12	01/21/25 21:21	1
o-Terphenyl	66	S1-	70 - 130				01/20/25 15:12	01/21/25 21:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600		50.3		mg/Kg			01/21/25 18:30	5

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-3 (4.1')

Lab Sample ID: 880-53406-6

Date Collected: 01/17/25 14:10

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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		01/20/25 14:54	01/20/25 18:43	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/20/25 14:54	01/20/25 18:43	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/20/25 14:54	01/20/25 18:43	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/20/25 14:54	01/20/25 18:43	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/20/25 14:54	01/20/25 18:43	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/20/25 14:54	01/20/25 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	01/20/25 14:54	01/20/25 18:43	1
1,4-Difluorobenzene (Surr)	98		70 - 130	01/20/25 14:54	01/20/25 18:43	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			01/20/25 18:43	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 21:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/20/25 15:12	01/21/25 21:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/25 15:12	01/21/25 21:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 15:12	01/21/25 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130	01/20/25 15:12	01/21/25 21:35	1
o-Terphenyl	68	S1-	70 - 130	01/20/25 15:12	01/21/25 21:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.0		9.96		mg/Kg			01/21/25 18:37	1

Client Sample ID: S-4 (1')

Lab Sample ID: 880-53406-7

Date Collected: 01/17/25 14:15

Matrix: Solid

Date Received: 01/20/25 14:07

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		01/20/25 14:54	01/20/25 19:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:54	01/20/25 19:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:54	01/20/25 19:04	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/20/25 14:54	01/20/25 19:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:54	01/20/25 19:04	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/20/25 14:54	01/20/25 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	01/20/25 14:54	01/20/25 19:04	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-4 (1')

Lab Sample ID: 880-53406-7

Date Collected: 01/17/25 14:15

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 1'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	01/20/25 14:54	01/20/25 19:04	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			01/20/25 19:04	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			01/21/25 21:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/20/25 15:12	01/21/25 21:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/20/25 15:12	01/21/25 21:50	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/20/25 15:12	01/21/25 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	64	S1-	70 - 130	01/20/25 15:12	01/21/25 21:50	1
o-Terphenyl	63	S1-	70 - 130	01/20/25 15:12	01/21/25 21:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290	F1	50.4		mg/Kg			01/22/25 17:01	5

Client Sample ID: S-4 (4.1')

Lab Sample ID: 880-53406-8

Date Collected: 01/17/25 14:30

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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		01/20/25 14:54	01/20/25 19:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/25 14:54	01/20/25 19:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/25 14:54	01/20/25 19:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/20/25 14:54	01/20/25 19:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/25 14:54	01/20/25 19:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/20/25 14:54	01/20/25 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	01/20/25 14:54	01/20/25 19:24	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/20/25 14:54	01/20/25 19:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/20/25 19:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/21/25 22:04	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-4 (4.1')

Date Collected: 01/17/25 14:30

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

Lab Sample ID: 880-53406-8

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	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/21/25 22:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/21/25 22:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/21/25 22:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				01/20/25 15:12	01/21/25 22:04	1
o-Terphenyl	70		70 - 130				01/20/25 15:12	01/21/25 22:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1140		50.4		mg/Kg			01/22/25 17:19	5

Client Sample ID: S-5 (1')

Date Collected: 01/17/25 14:35

Date Received: 01/20/25 14:07

Sample Depth: 1'

Lab Sample ID: 880-53406-9

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		01/20/25 14:54	01/20/25 19:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:54	01/20/25 19:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:54	01/20/25 19:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/20/25 14:54	01/20/25 19:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:54	01/20/25 19:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/20/25 14:54	01/20/25 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				01/20/25 14:54	01/20/25 19:45	1
1,4-Difluorobenzene (Surr)	99		70 - 130				01/20/25 14:54	01/20/25 19:45	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			01/20/25 19:45	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			01/21/25 22:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 22:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 22:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 22:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130				01/20/25 15:12	01/21/25 22:20	1
o-Terphenyl	63	S1-	70 - 130				01/20/25 15:12	01/21/25 22:20	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-5 (1')

Lab Sample ID: 880-53406-9

Date Collected: 01/17/25 14:35

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.1		10.1		mg/Kg			01/22/25 17:24	1

Client Sample ID: S-5 (4.1')

Lab Sample ID: 880-53406-10

Date Collected: 01/17/25 14:50

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:49	01/20/25 17:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:49	01/20/25 17:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:49	01/20/25 17:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/20/25 14:49	01/20/25 17:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:49	01/20/25 17:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/20/25 14:49	01/20/25 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				01/20/25 14:49	01/20/25 17:06	1
1,4-Difluorobenzene (Surr)	103		70 - 130				01/20/25 14:49	01/20/25 17:06	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			01/20/25 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	<50.0	U	50.0		mg/Kg			01/21/25 22:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/20/25 15:12	01/21/25 22:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/25 15:12	01/21/25 22:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 15:12	01/21/25 22:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				01/20/25 15:12	01/21/25 22:34	1
o-Terphenyl	72		70 - 130				01/20/25 15:12	01/21/25 22:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2550		99.8		mg/Kg			01/22/25 17:30	10

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-6 (1')

Lab Sample ID: 880-53406-11

Date Collected: 01/17/25 14:55

Matrix: Solid

Date Received: 01/20/25 14:07

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		01/20/25 14:49	01/20/25 17:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/20/25 14:49	01/20/25 17:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/20/25 14:49	01/20/25 17:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/20/25 14:49	01/20/25 17:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/20/25 14:49	01/20/25 17:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/20/25 14:49	01/20/25 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/20/25 14:49	01/20/25 17:26	1
1,4-Difluorobenzene (Surr)	101		70 - 130	01/20/25 14:49	01/20/25 17:26	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			01/20/25 17:26	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 23:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 23:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 23:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130	01/20/25 15:12	01/21/25 23:03	1
o-Terphenyl	69	S1-	70 - 130	01/20/25 15:12	01/21/25 23:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7500		99.2		mg/Kg			01/22/25 17:36	10

Client Sample ID: S-6 (4.1')

Lab Sample ID: 880-53406-12

Date Collected: 01/17/25 15:10

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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		01/20/25 14:49	01/20/25 17:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/20/25 14:49	01/20/25 17:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/20/25 14:49	01/20/25 17:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/20/25 14:49	01/20/25 17:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/20/25 14:49	01/20/25 17:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/20/25 14:49	01/20/25 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	01/20/25 14:49	01/20/25 17:47	1

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Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-6 (4.1')

Lab Sample ID: 880-53406-12

Date Collected: 01/17/25 15:10

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	01/20/25 14:49	01/20/25 17:47	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			01/20/25 17:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/21/25 23:19	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	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/21/25 23:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/21/25 23:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/21/25 23:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	62	S1-	70 - 130	01/20/25 15:12	01/21/25 23:19	1
o-Terphenyl	62	S1-	70 - 130	01/20/25 15:12	01/21/25 23:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.7		9.92		mg/Kg			01/22/25 17:54	1

Client Sample ID: S-7 (1')

Lab Sample ID: 880-53406-13

Date Collected: 01/17/25 15:15

Matrix: Solid

Date Received: 01/20/25 14:07

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		01/20/25 14:49	01/20/25 18:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/20/25 14:49	01/20/25 18:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/20/25 14:49	01/20/25 18:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/20/25 14:49	01/20/25 18:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/20/25 14:49	01/20/25 18:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/20/25 14:49	01/20/25 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	01/20/25 14:49	01/20/25 18:07	1
1,4-Difluorobenzene (Surr)	101		70 - 130	01/20/25 14:49	01/20/25 18:07	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			01/20/25 18:07	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			01/21/25 23:33	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-7 (1')

Lab Sample ID: 880-53406-13

Date Collected: 01/17/25 15:15

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 23:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 23:33	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 23:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	66	S1-	70 - 130				01/20/25 15:12	01/21/25 23:33	1
o-Terphenyl	64	S1-	70 - 130				01/20/25 15:12	01/21/25 23:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186		10.1		mg/Kg			01/22/25 18:00	1

Client Sample ID: S-7 (4.1')

Lab Sample ID: 880-53406-14

Date Collected: 01/17/25 15:30

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:49	01/20/25 18:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:49	01/20/25 18:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:49	01/20/25 18:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/20/25 14:49	01/20/25 18:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:49	01/20/25 18:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/20/25 14:49	01/20/25 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				01/20/25 14:49	01/20/25 18:28	1
1,4-Difluorobenzene (Surr)	101		70 - 130				01/20/25 14:49	01/20/25 18:28	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			01/20/25 18:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/21/25 23:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 23:48	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 23:48	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/21/25 23:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				01/20/25 15:12	01/21/25 23:48	1
o-Terphenyl	66	S1-	70 - 130				01/20/25 15:12	01/21/25 23:48	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-7 (4.1')

Lab Sample ID: 880-53406-14

Date Collected: 01/17/25 15:30

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	179		9.96		mg/Kg			01/22/25 18:06	1

Client Sample ID: S-8 (1')

Lab Sample ID: 880-53406-15

Date Collected: 01/17/25 15:35

Matrix: Solid

Date Received: 01/20/25 14:07

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		01/20/25 14:49	01/20/25 18:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/25 14:49	01/20/25 18:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/25 14:49	01/20/25 18:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/20/25 14:49	01/20/25 18:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/25 14:49	01/20/25 18:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/20/25 14:49	01/20/25 18:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				01/20/25 14:49	01/20/25 18:48	1
1,4-Difluorobenzene (Surr)	101		70 - 130				01/20/25 14:49	01/20/25 18:48	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			01/20/25 18:48	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			01/22/25 00:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/22/25 00:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/22/25 00:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/22/25 00:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				01/20/25 15:12	01/22/25 00:03	1
o-Terphenyl	78		70 - 130				01/20/25 15:12	01/22/25 00:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1020		9.94		mg/Kg			01/22/25 18:12	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-8 (4.1')

Lab Sample ID: 880-53406-16

Date Collected: 01/17/25 15:50

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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		01/20/25 14:49	01/20/25 19:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/20/25 14:49	01/20/25 19:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/20/25 14:49	01/20/25 19:09	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/20/25 14:49	01/20/25 19:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/20/25 14:49	01/20/25 19:09	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/20/25 14:49	01/20/25 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/20/25 14:49	01/20/25 19:09	1
1,4-Difluorobenzene (Surr)	101		70 - 130	01/20/25 14:49	01/20/25 19:09	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			01/20/25 19:09	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			01/22/25 00:18	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		01/20/25 15:12	01/22/25 00:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/22/25 00:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 15:12	01/22/25 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130	01/20/25 15:12	01/22/25 00:18	1
o-Terphenyl	63	S1-	70 - 130	01/20/25 15:12	01/22/25 00:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.0		10.0		mg/Kg			01/22/25 18:18	1

Client Sample ID: S-9 (1')

Lab Sample ID: 880-53406-17

Date Collected: 01/17/25 15:55

Matrix: Solid

Date Received: 01/20/25 14:07

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		01/20/25 14:49	01/20/25 19:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:49	01/20/25 19:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:49	01/20/25 19:29	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/20/25 14:49	01/20/25 19:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:49	01/20/25 19:29	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/20/25 14:49	01/20/25 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	01/20/25 14:49	01/20/25 19:29	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-9 (1')

Lab Sample ID: 880-53406-17

Date Collected: 01/17/25 15:55

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 1'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	01/20/25 14:49	01/20/25 19:29	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			01/20/25 19:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/22/25 00:32	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	<49.7	U	49.7		mg/Kg		01/20/25 15:12	01/22/25 00:32	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/20/25 15:12	01/22/25 00:32	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/20/25 15:12	01/22/25 00:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	01/20/25 15:12	01/22/25 00:32	1
o-Terphenyl	72		70 - 130	01/20/25 15:12	01/22/25 00:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3020	F1	50.2		mg/Kg			01/22/25 18:24	5

Client Sample ID: S-9 (4.1')

Lab Sample ID: 880-53406-18

Date Collected: 01/17/25 16:10

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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		01/20/25 14:49	01/20/25 19:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/20/25 14:49	01/20/25 19:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/20/25 14:49	01/20/25 19:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/20/25 14:49	01/20/25 19:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/20/25 14:49	01/20/25 19:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/20/25 14:49	01/20/25 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	01/20/25 14:49	01/20/25 19:50	1
1,4-Difluorobenzene (Surr)	101		70 - 130	01/20/25 14:49	01/20/25 19:50	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			01/20/25 19:50	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			01/22/25 00:46	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-9 (4.1')

Date Collected: 01/17/25 16:10

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

Lab Sample ID: 880-53406-18

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/20/25 15:12	01/22/25 00:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/25 15:12	01/22/25 00:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 15:12	01/22/25 00:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				01/20/25 15:12	01/22/25 00:46	1
o-Terphenyl	68	S1-	70 - 130				01/20/25 15:12	01/22/25 00:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5410		100		mg/Kg			01/22/25 18:41	10

Client Sample ID: S-10 (1')

Date Collected: 01/17/25 16:15

Date Received: 01/20/25 14:07

Sample Depth: 1'

Lab Sample ID: 880-53406-19

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		01/20/25 14:50	01/20/25 18:40	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:50	01/20/25 18:40	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:50	01/20/25 18:40	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/20/25 14:50	01/20/25 18:40	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:50	01/20/25 18:40	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/20/25 14:50	01/20/25 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				01/20/25 14:50	01/20/25 18:40	1
1,4-Difluorobenzene (Surr)	100		70 - 130				01/20/25 14:50	01/20/25 18:40	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			01/20/25 18:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/22/25 01:02	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	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/22/25 01:02	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/22/25 01:02	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/22/25 01:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				01/20/25 15:12	01/22/25 01:02	1
o-Terphenyl	69	S1-	70 - 130				01/20/25 15:12	01/22/25 01:02	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-10 (1')

Lab Sample ID: 880-53406-19

Date Collected: 01/17/25 16:15

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3120		50.5		mg/Kg			01/22/25 18:47	5

Client Sample ID: S-10 (4.1')

Lab Sample ID: 880-53406-20

Date Collected: 01/17/25 16:30

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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		01/20/25 14:50	01/20/25 19:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:50	01/20/25 19:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:50	01/20/25 19:01	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/20/25 14:50	01/20/25 19:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/20/25 14:50	01/20/25 19:01	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/20/25 14:50	01/20/25 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				01/20/25 14:50	01/20/25 19:01	1
1,4-Difluorobenzene (Surr)	86		70 - 130				01/20/25 14:50	01/20/25 19:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/20/25 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			01/22/25 01:15	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		01/20/25 15:12	01/22/25 01:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/22/25 01:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 15:12	01/22/25 01:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				01/20/25 15:12	01/22/25 01:15	1
o-Terphenyl	67	S1-	70 - 130				01/20/25 15:12	01/22/25 01:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1240		10.1		mg/Kg			01/22/25 19:05	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-11 (1')

Lab Sample ID: 880-53406-21

Date Collected: 01/17/25 16:35

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:50	01/20/25 19:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:50	01/20/25 19:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:50	01/20/25 19:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/20/25 14:50	01/20/25 19:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/20/25 14:50	01/20/25 19:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/20/25 14:50	01/20/25 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	01/20/25 14:50	01/20/25 19:21	1
1,4-Difluorobenzene (Surr)	99		70 - 130	01/20/25 14:50	01/20/25 19:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/20/25 19:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/22/25 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U F1	49.7		mg/Kg		01/20/25 15:15	01/22/25 18:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/20/25 15:15	01/22/25 18:16	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/20/25 15:15	01/22/25 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	01/20/25 15:15	01/22/25 18:16	1
o-Terphenyl	71		70 - 130	01/20/25 15:15	01/22/25 18:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	304		9.92		mg/Kg			01/22/25 19:11	1

Client Sample ID: S-11 (4.1')

Lab Sample ID: 880-53406-22

Date Collected: 01/17/25 16:50

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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		01/20/25 14:50	01/20/25 19:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/25 14:50	01/20/25 19:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/25 14:50	01/20/25 19:41	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/20/25 14:50	01/20/25 19:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/25 14:50	01/20/25 19:41	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/20/25 14:50	01/20/25 19:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	01/20/25 14:50	01/20/25 19:41	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-11 (4.1')

Lab Sample ID: 880-53406-22

Date Collected: 01/17/25 16:50

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	99		70 - 130	01/20/25 14:50	01/20/25 19:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/20/25 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	<49.9	U	49.9		mg/Kg			01/22/25 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 19:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 19:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130	01/20/25 15:15	01/22/25 19:00	1
o-Terphenyl	68	S1-	70 - 130	01/20/25 15:15	01/22/25 19:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2770		49.9		mg/Kg			01/22/25 19:17	5

Client Sample ID: S-12 (1')

Lab Sample ID: 880-53406-23

Date Collected: 01/17/25 15:55

Matrix: Solid

Date Received: 01/20/25 14:07

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		01/20/25 14:50	01/20/25 20:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/20/25 14:50	01/20/25 20:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/20/25 14:50	01/20/25 20:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/20/25 14:50	01/20/25 20:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/20/25 14:50	01/20/25 20:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/20/25 14:50	01/20/25 20:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	01/20/25 14:50	01/20/25 20:02	1
1,4-Difluorobenzene (Surr)	98		70 - 130	01/20/25 14:50	01/20/25 20:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/20/25 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	<49.8	U	49.8		mg/Kg			01/22/25 19:16	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-12 (1')

Lab Sample ID: 880-53406-23

Date Collected: 01/17/25 15:55

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/20/25 15:15	01/22/25 19:16	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/20/25 15:15	01/22/25 19:16	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 15:15	01/22/25 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				01/20/25 15:15	01/22/25 19:16	1
o-Terphenyl	66	S1-	70 - 130				01/20/25 15:15	01/22/25 19:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4040		99.8		mg/Kg			01/22/25 19:22	10

Client Sample ID: S-12 (4.1')

Lab Sample ID: 880-53406-24

Date Collected: 01/17/25 17:10

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:46	01/21/25 18:24	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:46	01/21/25 18:24	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:46	01/21/25 18:24	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/21/25 08:46	01/21/25 18:24	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:46	01/21/25 18:24	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/21/25 08:46	01/21/25 18:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				01/21/25 08:46	01/21/25 18:24	1
1,4-Difluorobenzene (Surr)	90		70 - 130				01/21/25 08:46	01/21/25 18:24	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/21/25 18:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/22/25 19:30	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	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 19:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 19:30	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 19:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				01/20/25 15:15	01/22/25 19:30	1
o-Terphenyl	69	S1-	70 - 130				01/20/25 15:15	01/22/25 19:30	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-12 (4.1')

Lab Sample ID: 880-53406-24

Date Collected: 01/17/25 17:10

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5780		100		mg/Kg			01/22/25 19:28	10

Client Sample ID: S-13 (1')

Lab Sample ID: 880-53406-25

Date Collected: 01/17/25 17:15

Matrix: Solid

Date Received: 01/20/25 14:07

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		01/20/25 16:16	01/21/25 00:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/20/25 16:16	01/21/25 00:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/20/25 16:16	01/21/25 00:42	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/20/25 16:16	01/21/25 00:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/20/25 16:16	01/21/25 00:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/20/25 16:16	01/21/25 00:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				01/20/25 16:16	01/21/25 00:42	1
1,4-Difluorobenzene (Surr)	107		70 - 130				01/20/25 16:16	01/21/25 00:42	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			01/21/25 00:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/22/25 19:46	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	<50.0	U	50.0		mg/Kg		01/20/25 15:15	01/22/25 19:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/25 15:15	01/22/25 19:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 15:15	01/22/25 19:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				01/20/25 15:15	01/22/25 19:46	1
o-Terphenyl	66	S1-	70 - 130				01/20/25 15:15	01/22/25 19:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	287		9.94		mg/Kg			01/22/25 19:34	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-13 (4.1')

Lab Sample ID: 880-53406-26

Date Collected: 01/17/25 17:25

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/20/25 16:16	01/21/25 01:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/20/25 16:16	01/21/25 01:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/20/25 16:16	01/21/25 01:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/20/25 16:16	01/21/25 01:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/20/25 16:16	01/21/25 01:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/20/25 16:16	01/21/25 01:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	01/20/25 16:16	01/21/25 01:03	1
1,4-Difluorobenzene (Surr)	108		70 - 130	01/20/25 16:16	01/21/25 01:03	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			01/21/25 01:03	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			01/22/25 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/20/25 15:15	01/22/25 20:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/25 15:15	01/22/25 20:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 15:15	01/22/25 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130	01/20/25 15:15	01/22/25 20:00	1
o-Terphenyl	70		70 - 130	01/20/25 15:15	01/22/25 20:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1560		49.8		mg/Kg			01/22/25 19:40	5

Client Sample ID: S-14 (1')

Lab Sample ID: 880-53406-27

Date Collected: 01/17/25 17:30

Matrix: Solid

Date Received: 01/20/25 14:07

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		01/20/25 16:16	01/21/25 01:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/25 16:16	01/21/25 01:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/25 16:16	01/21/25 01:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/20/25 16:16	01/21/25 01:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/25 16:16	01/21/25 01:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/20/25 16:16	01/21/25 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	01/20/25 16:16	01/21/25 01:23	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-14 (1')

Lab Sample ID: 880-53406-27

Date Collected: 01/17/25 17:30

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 1'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	103		70 - 130	01/20/25 16:16	01/21/25 01:23	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			01/21/25 01:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/22/25 20:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/20/25 15:15	01/22/25 20:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/20/25 15:15	01/22/25 20:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 15:15	01/22/25 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130	01/20/25 15:15	01/22/25 20:14	1
o-Terphenyl	69	S1-	70 - 130	01/20/25 15:15	01/22/25 20:14	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.6		9.96		mg/Kg			01/22/25 22:07	1

Client Sample ID: S-14 (4.1')

Lab Sample ID: 880-53406-28

Date Collected: 01/17/25 17:40

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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		01/20/25 16:16	01/21/25 01:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/25 16:16	01/21/25 01:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/25 16:16	01/21/25 01:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/20/25 16:16	01/21/25 01:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/25 16:16	01/21/25 01:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/20/25 16:16	01/21/25 01:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	01/20/25 16:16	01/21/25 01:44	1
1,4-Difluorobenzene (Surr)	103		70 - 130	01/20/25 16:16	01/21/25 01:44	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			01/21/25 01:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/22/25 20:29	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-14 (4.1')

Lab Sample ID: 880-53406-28

Date Collected: 01/17/25 17:40

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

Method: SW846 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		01/20/25 15:15	01/22/25 20:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 20:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 20:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				01/20/25 15:15	01/22/25 20:29	1
o-Terphenyl	67	S1-	70 - 130				01/20/25 15:15	01/22/25 20:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.1		9.92		mg/Kg			01/22/25 22:24	1

Client Sample ID: S-15 (1')

Lab Sample ID: 880-53406-29

Date Collected: 01/17/25 17:45

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/20/25 16:16	01/21/25 02:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/20/25 16:16	01/21/25 02:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/20/25 16:16	01/21/25 02:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/20/25 16:16	01/21/25 02:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/20/25 16:16	01/21/25 02:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/20/25 16:16	01/21/25 02:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				01/20/25 16:16	01/21/25 02:04	1
1,4-Difluorobenzene (Surr)	109		70 - 130				01/20/25 16:16	01/21/25 02:04	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			01/21/25 02:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/22/25 20:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 20:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 20:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 20:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				01/20/25 15:15	01/22/25 20:43	1
o-Terphenyl	65	S1-	70 - 130				01/20/25 15:15	01/22/25 20:43	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-15 (1')

Lab Sample ID: 880-53406-29

Date Collected: 01/17/25 17:45

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	513		9.96		mg/Kg			01/22/25 22:30	1

Client Sample ID: S-15 (4.1')

Lab Sample ID: 880-53406-30

Date Collected: 01/17/25 17:55

Matrix: Solid

Date Received: 01/20/25 14:07

Sample Depth: 4.1'

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		01/20/25 16:16	01/21/25 02:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/20/25 16:16	01/21/25 02:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/20/25 16:16	01/21/25 02:24	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		01/20/25 16:16	01/21/25 02:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/20/25 16:16	01/21/25 02:24	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/20/25 16:16	01/21/25 02:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130				01/20/25 16:16	01/21/25 02:24	1
1,4-Difluorobenzene (Surr)	108		70 - 130				01/20/25 16:16	01/21/25 02:24	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			01/21/25 02:24	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			01/22/25 20:59	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	<50.0	U	50.0		mg/Kg		01/20/25 15:15	01/22/25 20:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/25 15:15	01/22/25 20:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 15:15	01/22/25 20:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				01/20/25 15:15	01/22/25 20:59	1
o-Terphenyl	69	S1-	70 - 130				01/20/25 15:15	01/22/25 20:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2200		50.4		mg/Kg			01/22/25 22:35	5

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Surrogate Summary

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-53406-1	S-1 (1')	93	92
880-53406-2	S-1 (4.1')	109	94
880-53406-3	S-2 (1')	99	96
880-53406-4	S-2 (4.1')	93	99
880-53406-5	S-3 (1')	96	99
880-53406-6	S-3 (4.1')	91	98
880-53406-7	S-4 (1')	99	94
880-53406-8	S-4 (4.1')	106	99
880-53406-9	S-5 (1')	92	99
880-53406-10	S-5 (4.1')	111	103
880-53406-11	S-6 (1')	108	101
880-53406-12	S-6 (4.1')	107	102
880-53406-13	S-7 (1')	107	101
880-53406-14	S-7 (4.1')	106	101
880-53406-15	S-8 (1')	109	101
880-53406-16	S-8 (4.1')	108	101
880-53406-17	S-9 (1')	108	102
880-53406-18	S-9 (4.1')	107	101
880-53406-19	S-10 (1')	108	100
880-53406-20	S-10 (4.1')	115	86
880-53406-21	S-11 (1')	105	99
880-53406-22	S-11 (4.1')	105	99
880-53406-23	S-12 (1')	107	98
880-53406-24	S-12 (4.1')	113	90
880-53406-25	S-13 (1')	119	107
880-53406-26	S-13 (4.1')	124	108
880-53406-27	S-14 (1')	122	103
880-53406-28	S-14 (4.1')	129	103
880-53406-29	S-15 (1')	134 S1+	109
880-53406-30	S-15 (4.1')	145 S1+	108
LCS 880-100656/1-A	Lab Control Sample	104	115
LCS 880-100657/1-A	Lab Control Sample	94	100
LCS 880-100672/1-A	Lab Control Sample	97	99
LCS 880-100710/1-A	Lab Control Sample	118	100
LCS 880-100735/1-A	Lab Control Sample	105	88
LCSD 880-100656/2-A	Lab Control Sample Dup	103	118
LCSD 880-100657/2-A	Lab Control Sample Dup	93	102
LCSD 880-100672/2-A	Lab Control Sample Dup	99	100
LCSD 880-100710/2-A	Lab Control Sample Dup	123	96
LCSD 880-100735/2-A	Lab Control Sample Dup	104	91
MB 880-100656/5-A	Method Blank	104	100
MB 880-100657/5-A	Method Blank	81	93
MB 880-100672/5-A	Method Blank	100	95
MB 880-100710/5-A	Method Blank	191 S1+	128
MB 880-100735/5-A	Method Blank	96	87

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Crain Environmental

Job ID: 880-53406-1

Project/Site: Lamunyon 23

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)
880-53406-1	S-1 (1')	69 S1-	70
880-53406-1 MS	S-1 (1')	75	68 S1-
880-53406-1 MSD	S-1 (1')	73	67 S1-
880-53406-2	S-1 (4.1')	68 S1-	67 S1-
880-53406-3	S-2 (1')	61 S1-	60 S1-
880-53406-4	S-2 (4.1')	66 S1-	65 S1-
880-53406-5	S-3 (1')	68 S1-	66 S1-
880-53406-6	S-3 (4.1')	69 S1-	68 S1-
880-53406-7	S-4 (1')	64 S1-	63 S1-
880-53406-8	S-4 (4.1')	70	70
880-53406-9	S-5 (1')	65 S1-	63 S1-
880-53406-10	S-5 (4.1')	72	72
880-53406-11	S-6 (1')	69 S1-	69 S1-
880-53406-12	S-6 (4.1')	62 S1-	62 S1-
880-53406-13	S-7 (1')	66 S1-	64 S1-
880-53406-14	S-7 (4.1')	67 S1-	66 S1-
880-53406-15	S-8 (1')	78	78
880-53406-16	S-8 (4.1')	65 S1-	63 S1-
880-53406-17	S-9 (1')	73	72
880-53406-18	S-9 (4.1')	69 S1-	68 S1-
880-53406-19	S-10 (1')	70	69 S1-
880-53406-20	S-10 (4.1')	68 S1-	67 S1-
880-53406-21	S-11 (1')	73	71
880-53406-21 MS	S-11 (1')	75	69 S1-
880-53406-21 MSD	S-11 (1')	74	68 S1-
880-53406-22	S-11 (4.1')	67 S1-	68 S1-
880-53406-23	S-12 (1')	68 S1-	66 S1-
880-53406-24	S-12 (4.1')	70	69 S1-
880-53406-25	S-13 (1')	68 S1-	66 S1-
880-53406-26	S-13 (4.1')	69 S1-	70
880-53406-27	S-14 (1')	69 S1-	69 S1-
880-53406-28	S-14 (4.1')	68 S1-	67 S1-
880-53406-29	S-15 (1')	67 S1-	65 S1-
880-53406-30	S-15 (4.1')	70	69 S1-
LCS 880-100701/2-A	Lab Control Sample	95	90
LCS 880-100702/2-A	Lab Control Sample	105	99
LCSD 880-100701/3-A	Lab Control Sample Dup	111	104
LCSD 880-100702/3-A	Lab Control Sample Dup	120	115
MB 880-100701/1-A	Method Blank	115	115
MB 880-100702/1-A	Method Blank	110	112

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-100656/5-A

Matrix: Solid

Analysis Batch: 100621

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100656

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:49	01/20/25 11:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:49	01/20/25 11:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:49	01/20/25 11:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/20/25 09:49	01/20/25 11:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:49	01/20/25 11:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/20/25 09:49	01/20/25 11:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	01/20/25 09:49	01/20/25 11:46	1
1,4-Difluorobenzene (Surr)	100		70 - 130	01/20/25 09:49	01/20/25 11:46	1

Lab Sample ID: LCS 880-100656/1-A

Matrix: Solid

Analysis Batch: 100621

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100656

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1107		mg/Kg		111	70 - 130
Toluene	0.100	0.09845		mg/Kg		98	70 - 130
Ethylbenzene	0.100	0.1080		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2260		mg/Kg		113	70 - 130
o-Xylene	0.100	0.1104		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: LCSD 880-100656/2-A

Matrix: Solid

Analysis Batch: 100621

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100656

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1105		mg/Kg		111	70 - 130	0	35
Toluene	0.100	0.09745		mg/Kg		97	70 - 130	1	35
Ethylbenzene	0.100	0.1061		mg/Kg		106	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2228		mg/Kg		111	70 - 130	1	35
o-Xylene	0.100	0.1081		mg/Kg		108	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

Lab Sample ID: MB 880-100657/5-A

Matrix: Solid

Analysis Batch: 100620

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100657

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 11:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 11:41	1

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QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-100657/5-A

Matrix: Solid

Analysis Batch: 100620

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100657

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 11:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/20/25 09:54	01/20/25 11:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 11:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/20/25 09:54	01/20/25 11:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	01/20/25 09:54	01/20/25 11:41	1
1,4-Difluorobenzene (Surr)	93		70 - 130	01/20/25 09:54	01/20/25 11:41	1

Lab Sample ID: LCS 880-100657/1-A

Matrix: Solid

Analysis Batch: 100620

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100657

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1052		mg/Kg		105	70 - 130
Toluene	0.100	0.1109		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1140		mg/Kg		114	70 - 130
m-Xylene & p-Xylene	0.200	0.2020		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1131		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-100657/2-A

Matrix: Solid

Analysis Batch: 100620

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100657

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1057		mg/Kg		106	70 - 130	0	35
Toluene	0.100	0.1099		mg/Kg		110	70 - 130	1	35
Ethylbenzene	0.100	0.1102		mg/Kg		110	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1957		mg/Kg		98	70 - 130	3	35
o-Xylene	0.100	0.1097		mg/Kg		110	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-100672/5-A

Matrix: Solid

Analysis Batch: 100618

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100672

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/25 10:50	01/20/25 12:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/25 10:50	01/20/25 12:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/25 10:50	01/20/25 12:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/20/25 10:50	01/20/25 12:10	1

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QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-100672/5-A

Matrix: Solid

Analysis Batch: 100618

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100672

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/25 10:50	01/20/25 12:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/20/25 10:50	01/20/25 12:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	01/20/25 10:50	01/20/25 12:10	1
1,4-Difluorobenzene (Surr)	95		70 - 130	01/20/25 10:50	01/20/25 12:10	1

Lab Sample ID: LCS 880-100672/1-A

Matrix: Solid

Analysis Batch: 100618

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100672

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08621		mg/Kg		86	70 - 130
Toluene	0.100	0.08779		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09008		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1700		mg/Kg		85	70 - 130
o-Xylene	0.100	0.08654		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-100672/2-A

Matrix: Solid

Analysis Batch: 100618

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100672

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08439		mg/Kg		84	70 - 130	2	35
Toluene	0.100	0.08547		mg/Kg		85	70 - 130	3	35
Ethylbenzene	0.100	0.08819		mg/Kg		88	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1675		mg/Kg		84	70 - 130	1	35
o-Xylene	0.100	0.08544		mg/Kg		85	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-100710/5-A

Matrix: Solid

Analysis Batch: 100623

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/25 16:16	01/20/25 17:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/25 16:16	01/20/25 17:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/25 16:16	01/20/25 17:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/20/25 16:16	01/20/25 17:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/25 16:16	01/20/25 17:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/20/25 16:16	01/20/25 17:58	1

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QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	191	S1+	70 - 130	01/20/25 16:16	01/20/25 17:58	1
1,4-Difluorobenzene (Surr)	128		70 - 130	01/20/25 16:16	01/20/25 17:58	1

Lab Sample ID: LCS 880-100710/1-A

Matrix: Solid

Analysis Batch: 100623

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100710

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1052		mg/Kg		105	70 - 130
Toluene	0.100	0.1049		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1061		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.2409		mg/Kg		120	70 - 130
o-Xylene	0.100	0.1173		mg/Kg		117	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-100710/2-A

Matrix: Solid

Analysis Batch: 100623

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100710

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09890		mg/Kg		99	70 - 130	6	35
Toluene	0.100	0.09577		mg/Kg		96	70 - 130	9	35
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2349		mg/Kg		117	70 - 130	3	35
o-Xylene	0.100	0.1154		mg/Kg		115	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-100735/5-A

Matrix: Solid

Analysis Batch: 100729

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100735

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:46	01/21/25 11:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:46	01/21/25 11:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:46	01/21/25 11:24	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/21/25 08:46	01/21/25 11:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:46	01/21/25 11:24	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/21/25 08:46	01/21/25 11:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	01/21/25 08:46	01/21/25 11:24	1
1,4-Difluorobenzene (Surr)	87		70 - 130	01/21/25 08:46	01/21/25 11:24	1

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-100735/1-A

Matrix: Solid

Analysis Batch: 100729

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100735

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09286		mg/Kg		93	70 - 130
Toluene	0.100	0.08265		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.08852		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1813		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09087		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: LCSD 880-100735/2-A

Matrix: Solid

Analysis Batch: 100729

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100735

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1003		mg/Kg		100	70 - 130	8	35
Toluene	0.100	0.08718		mg/Kg		87	70 - 130	5	35
Ethylbenzene	0.100	0.09173		mg/Kg		92	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1875		mg/Kg		94	70 - 130	3	35
o-Xylene	0.100	0.09462		mg/Kg		95	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

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

Lab Sample ID: MB 880-100701/1-A

Matrix: Solid

Analysis Batch: 100739

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100701

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		01/20/25 15:11	01/21/25 19:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/25 15:11	01/21/25 19:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 15:11	01/21/25 19:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	01/20/25 15:11	01/21/25 19:09	1
o-Terphenyl	115		70 - 130	01/20/25 15:11	01/21/25 19:09	1

Lab Sample ID: LCS 880-100701/2-A

Matrix: Solid

Analysis Batch: 100739

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100701

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	833.7		mg/Kg		83	70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

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

Lab Sample ID: LCS 880-100701/2-A

Matrix: Solid

Analysis Batch: 100739

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100701

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	888.3		mg/Kg		89	70 - 130

	LCS %Recovery	LCS Qualifier	Limits
Surrogate			
1-Chlorooctane	95		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: LCSD 880-100701/3-A

Matrix: Solid

Analysis Batch: 100739

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100701

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	997.1		mg/Kg		100	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	1000	1055		mg/Kg		105	70 - 130	17	20

	LCSD %Recovery	LCSD Qualifier	Limits
Surrogate			
1-Chlorooctane	111		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-53406-1 MS

Matrix: Solid

Analysis Batch: 100739

Client Sample ID: S-1 (1')

Prep Type: Total/NA

Prep Batch: 100701

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	997	666.1	F1	mg/Kg		67	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	997	727.3		mg/Kg		73	70 - 130

	MS %Recovery	MS Qualifier	Limits
Surrogate			
1-Chlorooctane	75		70 - 130
o-Terphenyl	68	S1-	70 - 130

Lab Sample ID: 880-53406-1 MSD

Matrix: Solid

Analysis Batch: 100739

Client Sample ID: S-1 (1')

Prep Type: Total/NA

Prep Batch: 100701

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	997	651.0	F1	mg/Kg		65	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.8	U	997	722.2		mg/Kg		72	70 - 130	1	20

	MSD %Recovery	MSD Qualifier	Limits
Surrogate			
1-Chlorooctane	73		70 - 130
o-Terphenyl	67	S1-	70 - 130

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

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

Lab Sample ID: MB 880-100702/1-A

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100702

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		01/20/25 15:15	01/22/25 17:33	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/25 15:15	01/22/25 17:33	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 15:15	01/22/25 17:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	01/20/25 15:15	01/22/25 17:33	1
o-Terphenyl	112		70 - 130	01/20/25 15:15	01/22/25 17:33	1

Lab Sample ID: LCS 880-100702/2-A

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100702

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	980.0		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1008		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: LCSD 880-100702/3-A

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100702

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1029		mg/Kg		103	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1140		mg/Kg		114	70 - 130	12	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	115		70 - 130

Lab Sample ID: 880-53406-21 MS

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: S-11 (1')

Prep Type: Total/NA

Prep Batch: 100702

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U F1	996	681.6	F1	mg/Kg		68	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	996	734.5		mg/Kg		74	70 - 130

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

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

Lab Sample ID: 880-53406-21 MS

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: S-11 (1')

Prep Type: Total/NA

Prep Batch: 100702

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	69	S1-	70 - 130

Lab Sample ID: 880-53406-21 MSD

Matrix: Solid

Analysis Batch: 100857

Client Sample ID: S-11 (1')

Prep Type: Total/NA

Prep Batch: 100702

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.7	U F1	996	661.3	F1	mg/Kg		66	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.7	U	996	730.7		mg/Kg		73	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	74		70 - 130
o-Terphenyl	68	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-100746/1-A

Matrix: Solid

Analysis Batch: 100761

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			01/21/25 14:47	1

Lab Sample ID: LCS 880-100746/2-A

Matrix: Solid

Analysis Batch: 100761

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	264.8		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-100746/3-A

Matrix: Solid

Analysis Batch: 100761

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	263.8		mg/Kg		106	90 - 110	0	20

Lab Sample ID: MB 880-100805/1-A

Matrix: Solid

Analysis Batch: 100871

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			01/22/25 21:50	1

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-100805/2-A

Matrix: Solid

Analysis Batch: 100871

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	258.8		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-100805/3-A

Matrix: Solid

Analysis Batch: 100871

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	259.3		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-53406-27 MS

Matrix: Solid

Analysis Batch: 100871

Client Sample ID: S-14 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	71.6		249	335.0		mg/Kg		106	90 - 110

Lab Sample ID: 880-53406-27 MSD

Matrix: Solid

Analysis Batch: 100871

Client Sample ID: S-14 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	71.6		249	335.2		mg/Kg		106	90 - 110	0	20

Lab Sample ID: MB 880-100804/1-A

Matrix: Solid

Analysis Batch: 100872

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			01/22/25 16:43	1

Lab Sample ID: LCS 880-100804/2-A

Matrix: Solid

Analysis Batch: 100872

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.2		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-100804/3-A

Matrix: Solid

Analysis Batch: 100872

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	255.7		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-53406-7 MS

Matrix: Solid

Analysis Batch: 100872

Client Sample ID: S-4 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1290	F1	1260	3010	F1	mg/Kg		137	90 - 110

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QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-53406-7 MSD

Matrix: Solid

Analysis Batch: 100872

Client Sample ID: S-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	1290	F1	1260	3021	F1	mg/Kg		137	90 - 110	0	20

Lab Sample ID: 880-53406-17 MS

Matrix: Solid

Analysis Batch: 100872

Client Sample ID: S-9 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3020	F1	1260	4819	F1	mg/Kg		144	90 - 110		

Lab Sample ID: 880-53406-17 MSD

Matrix: Solid

Analysis Batch: 100872

Client Sample ID: S-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	3020	F1	1260	4819	F1	mg/Kg		144	90 - 110	0	20

QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 100618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-19	S-10 (1')	Total/NA	Solid	8021B	100672
880-53406-20	S-10 (4.1')	Total/NA	Solid	8021B	100672
880-53406-21	S-11 (1')	Total/NA	Solid	8021B	100672
880-53406-22	S-11 (4.1')	Total/NA	Solid	8021B	100672
880-53406-23	S-12 (1')	Total/NA	Solid	8021B	100672
MB 880-100672/5-A	Method Blank	Total/NA	Solid	8021B	100672
LCS 880-100672/1-A	Lab Control Sample	Total/NA	Solid	8021B	100672
LCSD 880-100672/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100672

Analysis Batch: 100620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-1	S-1 (1')	Total/NA	Solid	8021B	100657
880-53406-2	S-1 (4.1')	Total/NA	Solid	8021B	100657
880-53406-3	S-2 (1')	Total/NA	Solid	8021B	100657
880-53406-4	S-2 (4.1')	Total/NA	Solid	8021B	100657
880-53406-5	S-3 (1')	Total/NA	Solid	8021B	100657
880-53406-6	S-3 (4.1')	Total/NA	Solid	8021B	100657
880-53406-7	S-4 (1')	Total/NA	Solid	8021B	100657
880-53406-8	S-4 (4.1')	Total/NA	Solid	8021B	100657
880-53406-9	S-5 (1')	Total/NA	Solid	8021B	100657
MB 880-100657/5-A	Method Blank	Total/NA	Solid	8021B	100657
LCS 880-100657/1-A	Lab Control Sample	Total/NA	Solid	8021B	100657
LCSD 880-100657/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100657

Analysis Batch: 100621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-10	S-5 (4.1')	Total/NA	Solid	8021B	100656
880-53406-11	S-6 (1')	Total/NA	Solid	8021B	100656
880-53406-12	S-6 (4.1')	Total/NA	Solid	8021B	100656
880-53406-13	S-7 (1')	Total/NA	Solid	8021B	100656
880-53406-14	S-7 (4.1')	Total/NA	Solid	8021B	100656
880-53406-15	S-8 (1')	Total/NA	Solid	8021B	100656
880-53406-16	S-8 (4.1')	Total/NA	Solid	8021B	100656
880-53406-17	S-9 (1')	Total/NA	Solid	8021B	100656
880-53406-18	S-9 (4.1')	Total/NA	Solid	8021B	100656
MB 880-100656/5-A	Method Blank	Total/NA	Solid	8021B	100656
LCS 880-100656/1-A	Lab Control Sample	Total/NA	Solid	8021B	100656
LCSD 880-100656/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100656

Analysis Batch: 100623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-25	S-13 (1')	Total/NA	Solid	8021B	100710
880-53406-26	S-13 (4.1')	Total/NA	Solid	8021B	100710
880-53406-27	S-14 (1')	Total/NA	Solid	8021B	100710
880-53406-28	S-14 (4.1')	Total/NA	Solid	8021B	100710
880-53406-29	S-15 (1')	Total/NA	Solid	8021B	100710
880-53406-30	S-15 (4.1')	Total/NA	Solid	8021B	100710
MB 880-100710/5-A	Method Blank	Total/NA	Solid	8021B	100710
LCS 880-100710/1-A	Lab Control Sample	Total/NA	Solid	8021B	100710
LCSD 880-100710/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100710

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QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

GC VOA

Prep Batch: 100656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-10	S-5 (4.1')	Total/NA	Solid	5035	
880-53406-11	S-6 (1')	Total/NA	Solid	5035	
880-53406-12	S-6 (4.1')	Total/NA	Solid	5035	
880-53406-13	S-7 (1')	Total/NA	Solid	5035	
880-53406-14	S-7 (4.1')	Total/NA	Solid	5035	
880-53406-15	S-8 (1')	Total/NA	Solid	5035	
880-53406-16	S-8 (4.1')	Total/NA	Solid	5035	
880-53406-17	S-9 (1')	Total/NA	Solid	5035	
880-53406-18	S-9 (4.1')	Total/NA	Solid	5035	
MB 880-100656/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100656/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100656/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 100657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-1	S-1 (1')	Total/NA	Solid	5035	
880-53406-2	S-1 (4.1')	Total/NA	Solid	5035	
880-53406-3	S-2 (1')	Total/NA	Solid	5035	
880-53406-4	S-2 (4.1')	Total/NA	Solid	5035	
880-53406-5	S-3 (1')	Total/NA	Solid	5035	
880-53406-6	S-3 (4.1')	Total/NA	Solid	5035	
880-53406-7	S-4 (1')	Total/NA	Solid	5035	
880-53406-8	S-4 (4.1')	Total/NA	Solid	5035	
880-53406-9	S-5 (1')	Total/NA	Solid	5035	
MB 880-100657/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100657/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100657/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 100672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-19	S-10 (1')	Total/NA	Solid	5035	
880-53406-20	S-10 (4.1')	Total/NA	Solid	5035	
880-53406-21	S-11 (1')	Total/NA	Solid	5035	
880-53406-22	S-11 (4.1')	Total/NA	Solid	5035	
880-53406-23	S-12 (1')	Total/NA	Solid	5035	
MB 880-100672/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100672/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100672/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 100710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-25	S-13 (1')	Total/NA	Solid	5035	
880-53406-26	S-13 (4.1')	Total/NA	Solid	5035	
880-53406-27	S-14 (1')	Total/NA	Solid	5035	
880-53406-28	S-14 (4.1')	Total/NA	Solid	5035	
880-53406-29	S-15 (1')	Total/NA	Solid	5035	
880-53406-30	S-15 (4.1')	Total/NA	Solid	5035	
MB 880-100710/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100710/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100710/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

GC VOA

Analysis Batch: 100729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-24	S-12 (4.1')	Total/NA	Solid	8021B	100735
MB 880-100735/5-A	Method Blank	Total/NA	Solid	8021B	100735
LCS 880-100735/1-A	Lab Control Sample	Total/NA	Solid	8021B	100735
LCSD 880-100735/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100735

Prep Batch: 100735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-24	S-12 (4.1')	Total/NA	Solid	5035	
MB 880-100735/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100735/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100735/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 100783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-1	S-1 (1')	Total/NA	Solid	Total BTEX	
880-53406-2	S-1 (4.1')	Total/NA	Solid	Total BTEX	
880-53406-3	S-2 (1')	Total/NA	Solid	Total BTEX	
880-53406-4	S-2 (4.1')	Total/NA	Solid	Total BTEX	
880-53406-5	S-3 (1')	Total/NA	Solid	Total BTEX	
880-53406-6	S-3 (4.1')	Total/NA	Solid	Total BTEX	
880-53406-7	S-4 (1')	Total/NA	Solid	Total BTEX	
880-53406-8	S-4 (4.1')	Total/NA	Solid	Total BTEX	
880-53406-9	S-5 (1')	Total/NA	Solid	Total BTEX	
880-53406-10	S-5 (4.1')	Total/NA	Solid	Total BTEX	
880-53406-11	S-6 (1')	Total/NA	Solid	Total BTEX	
880-53406-12	S-6 (4.1')	Total/NA	Solid	Total BTEX	
880-53406-13	S-7 (1')	Total/NA	Solid	Total BTEX	
880-53406-14	S-7 (4.1')	Total/NA	Solid	Total BTEX	
880-53406-15	S-8 (1')	Total/NA	Solid	Total BTEX	
880-53406-16	S-8 (4.1')	Total/NA	Solid	Total BTEX	
880-53406-17	S-9 (1')	Total/NA	Solid	Total BTEX	
880-53406-18	S-9 (4.1')	Total/NA	Solid	Total BTEX	
880-53406-19	S-10 (1')	Total/NA	Solid	Total BTEX	
880-53406-20	S-10 (4.1')	Total/NA	Solid	Total BTEX	
880-53406-21	S-11 (1')	Total/NA	Solid	Total BTEX	
880-53406-22	S-11 (4.1')	Total/NA	Solid	Total BTEX	
880-53406-23	S-12 (1')	Total/NA	Solid	Total BTEX	
880-53406-24	S-12 (4.1')	Total/NA	Solid	Total BTEX	
880-53406-25	S-13 (1')	Total/NA	Solid	Total BTEX	
880-53406-26	S-13 (4.1')	Total/NA	Solid	Total BTEX	
880-53406-27	S-14 (1')	Total/NA	Solid	Total BTEX	
880-53406-28	S-14 (4.1')	Total/NA	Solid	Total BTEX	
880-53406-29	S-15 (1')	Total/NA	Solid	Total BTEX	
880-53406-30	S-15 (4.1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 100701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-1	S-1 (1')	Total/NA	Solid	8015NM Prep	
880-53406-2	S-1 (4.1')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Prep Batch: 100701 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-3	S-2 (1')	Total/NA	Solid	8015NM Prep	
880-53406-4	S-2 (4.1')	Total/NA	Solid	8015NM Prep	
880-53406-5	S-3 (1')	Total/NA	Solid	8015NM Prep	
880-53406-6	S-3 (4.1')	Total/NA	Solid	8015NM Prep	
880-53406-7	S-4 (1')	Total/NA	Solid	8015NM Prep	
880-53406-8	S-4 (4.1')	Total/NA	Solid	8015NM Prep	
880-53406-9	S-5 (1')	Total/NA	Solid	8015NM Prep	
880-53406-10	S-5 (4.1')	Total/NA	Solid	8015NM Prep	
880-53406-11	S-6 (1')	Total/NA	Solid	8015NM Prep	
880-53406-12	S-6 (4.1')	Total/NA	Solid	8015NM Prep	
880-53406-13	S-7 (1')	Total/NA	Solid	8015NM Prep	
880-53406-14	S-7 (4.1')	Total/NA	Solid	8015NM Prep	
880-53406-15	S-8 (1')	Total/NA	Solid	8015NM Prep	
880-53406-16	S-8 (4.1')	Total/NA	Solid	8015NM Prep	
880-53406-17	S-9 (1')	Total/NA	Solid	8015NM Prep	
880-53406-18	S-9 (4.1')	Total/NA	Solid	8015NM Prep	
880-53406-19	S-10 (1')	Total/NA	Solid	8015NM Prep	
880-53406-20	S-10 (4.1')	Total/NA	Solid	8015NM Prep	
MB 880-100701/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100701/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100701/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53406-1 MS	S-1 (1')	Total/NA	Solid	8015NM Prep	
880-53406-1 MSD	S-1 (1')	Total/NA	Solid	8015NM Prep	

Prep Batch: 100702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-21	S-11 (1')	Total/NA	Solid	8015NM Prep	
880-53406-22	S-11 (4.1')	Total/NA	Solid	8015NM Prep	
880-53406-23	S-12 (1')	Total/NA	Solid	8015NM Prep	
880-53406-24	S-12 (4.1')	Total/NA	Solid	8015NM Prep	
880-53406-25	S-13 (1')	Total/NA	Solid	8015NM Prep	
880-53406-26	S-13 (4.1')	Total/NA	Solid	8015NM Prep	
880-53406-27	S-14 (1')	Total/NA	Solid	8015NM Prep	
880-53406-28	S-14 (4.1')	Total/NA	Solid	8015NM Prep	
880-53406-29	S-15 (1')	Total/NA	Solid	8015NM Prep	
880-53406-30	S-15 (4.1')	Total/NA	Solid	8015NM Prep	
MB 880-100702/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100702/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100702/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53406-21 MS	S-11 (1')	Total/NA	Solid	8015NM Prep	
880-53406-21 MSD	S-11 (1')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 100739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-1	S-1 (1')	Total/NA	Solid	8015B NM	100701
880-53406-2	S-1 (4.1')	Total/NA	Solid	8015B NM	100701
880-53406-3	S-2 (1')	Total/NA	Solid	8015B NM	100701
880-53406-4	S-2 (4.1')	Total/NA	Solid	8015B NM	100701
880-53406-5	S-3 (1')	Total/NA	Solid	8015B NM	100701
880-53406-6	S-3 (4.1')	Total/NA	Solid	8015B NM	100701
880-53406-7	S-4 (1')	Total/NA	Solid	8015B NM	100701

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 100739 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-8	S-4 (4.1')	Total/NA	Solid	8015B NM	100701
880-53406-9	S-5 (1')	Total/NA	Solid	8015B NM	100701
880-53406-10	S-5 (4.1')	Total/NA	Solid	8015B NM	100701
880-53406-11	S-6 (1')	Total/NA	Solid	8015B NM	100701
880-53406-12	S-6 (4.1')	Total/NA	Solid	8015B NM	100701
880-53406-13	S-7 (1')	Total/NA	Solid	8015B NM	100701
880-53406-14	S-7 (4.1')	Total/NA	Solid	8015B NM	100701
880-53406-15	S-8 (1')	Total/NA	Solid	8015B NM	100701
880-53406-16	S-8 (4.1')	Total/NA	Solid	8015B NM	100701
880-53406-17	S-9 (1')	Total/NA	Solid	8015B NM	100701
880-53406-18	S-9 (4.1')	Total/NA	Solid	8015B NM	100701
880-53406-19	S-10 (1')	Total/NA	Solid	8015B NM	100701
880-53406-20	S-10 (4.1')	Total/NA	Solid	8015B NM	100701
MB 880-100701/1-A	Method Blank	Total/NA	Solid	8015B NM	100701
LCS 880-100701/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100701
LCSD 880-100701/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100701
880-53406-1 MS	S-1 (1')	Total/NA	Solid	8015B NM	100701
880-53406-1 MSD	S-1 (1')	Total/NA	Solid	8015B NM	100701

Analysis Batch: 100857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-21	S-11 (1')	Total/NA	Solid	8015B NM	100702
880-53406-22	S-11 (4.1')	Total/NA	Solid	8015B NM	100702
880-53406-23	S-12 (1')	Total/NA	Solid	8015B NM	100702
880-53406-24	S-12 (4.1')	Total/NA	Solid	8015B NM	100702
880-53406-25	S-13 (1')	Total/NA	Solid	8015B NM	100702
880-53406-26	S-13 (4.1')	Total/NA	Solid	8015B NM	100702
880-53406-27	S-14 (1')	Total/NA	Solid	8015B NM	100702
880-53406-28	S-14 (4.1')	Total/NA	Solid	8015B NM	100702
880-53406-29	S-15 (1')	Total/NA	Solid	8015B NM	100702
880-53406-30	S-15 (4.1')	Total/NA	Solid	8015B NM	100702
MB 880-100702/1-A	Method Blank	Total/NA	Solid	8015B NM	100702
LCS 880-100702/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100702
LCSD 880-100702/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100702
880-53406-21 MS	S-11 (1')	Total/NA	Solid	8015B NM	100702
880-53406-21 MSD	S-11 (1')	Total/NA	Solid	8015B NM	100702

Analysis Batch: 100900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-1	S-1 (1')	Total/NA	Solid	8015 NM	
880-53406-2	S-1 (4.1')	Total/NA	Solid	8015 NM	
880-53406-3	S-2 (1')	Total/NA	Solid	8015 NM	
880-53406-4	S-2 (4.1')	Total/NA	Solid	8015 NM	
880-53406-5	S-3 (1')	Total/NA	Solid	8015 NM	
880-53406-6	S-3 (4.1')	Total/NA	Solid	8015 NM	
880-53406-7	S-4 (1')	Total/NA	Solid	8015 NM	
880-53406-8	S-4 (4.1')	Total/NA	Solid	8015 NM	
880-53406-9	S-5 (1')	Total/NA	Solid	8015 NM	
880-53406-10	S-5 (4.1')	Total/NA	Solid	8015 NM	
880-53406-11	S-6 (1')	Total/NA	Solid	8015 NM	
880-53406-12	S-6 (4.1')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 100900 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-13	S-7 (1')	Total/NA	Solid	8015 NM	
880-53406-14	S-7 (4.1')	Total/NA	Solid	8015 NM	
880-53406-15	S-8 (1')	Total/NA	Solid	8015 NM	
880-53406-16	S-8 (4.1')	Total/NA	Solid	8015 NM	
880-53406-17	S-9 (1')	Total/NA	Solid	8015 NM	
880-53406-18	S-9 (4.1')	Total/NA	Solid	8015 NM	
880-53406-19	S-10 (1')	Total/NA	Solid	8015 NM	
880-53406-20	S-10 (4.1')	Total/NA	Solid	8015 NM	
880-53406-21	S-11 (1')	Total/NA	Solid	8015 NM	
880-53406-22	S-11 (4.1')	Total/NA	Solid	8015 NM	
880-53406-23	S-12 (1')	Total/NA	Solid	8015 NM	
880-53406-24	S-12 (4.1')	Total/NA	Solid	8015 NM	
880-53406-25	S-13 (1')	Total/NA	Solid	8015 NM	
880-53406-26	S-13 (4.1')	Total/NA	Solid	8015 NM	
880-53406-27	S-14 (1')	Total/NA	Solid	8015 NM	
880-53406-28	S-14 (4.1')	Total/NA	Solid	8015 NM	
880-53406-29	S-15 (1')	Total/NA	Solid	8015 NM	
880-53406-30	S-15 (4.1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 100746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-1	S-1 (1')	Soluble	Solid	DI Leach	
880-53406-2	S-1 (4.1')	Soluble	Solid	DI Leach	
880-53406-3	S-2 (1')	Soluble	Solid	DI Leach	
880-53406-4	S-2 (4.1')	Soluble	Solid	DI Leach	
880-53406-5	S-3 (1')	Soluble	Solid	DI Leach	
880-53406-6	S-3 (4.1')	Soluble	Solid	DI Leach	
MB 880-100746/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100746/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100746/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 100761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-1	S-1 (1')	Soluble	Solid	300.0	100746
880-53406-2	S-1 (4.1')	Soluble	Solid	300.0	100746
880-53406-3	S-2 (1')	Soluble	Solid	300.0	100746
880-53406-4	S-2 (4.1')	Soluble	Solid	300.0	100746
880-53406-5	S-3 (1')	Soluble	Solid	300.0	100746
880-53406-6	S-3 (4.1')	Soluble	Solid	300.0	100746
MB 880-100746/1-A	Method Blank	Soluble	Solid	300.0	100746
LCS 880-100746/2-A	Lab Control Sample	Soluble	Solid	300.0	100746
LCSD 880-100746/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100746

Leach Batch: 100804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-7	S-4 (1')	Soluble	Solid	DI Leach	
880-53406-8	S-4 (4.1')	Soluble	Solid	DI Leach	
880-53406-9	S-5 (1')	Soluble	Solid	DI Leach	
880-53406-10	S-5 (4.1')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 100804 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-11	S-6 (1')	Soluble	Solid	DI Leach	
880-53406-12	S-6 (4.1')	Soluble	Solid	DI Leach	
880-53406-13	S-7 (1')	Soluble	Solid	DI Leach	
880-53406-14	S-7 (4.1')	Soluble	Solid	DI Leach	
880-53406-15	S-8 (1')	Soluble	Solid	DI Leach	
880-53406-16	S-8 (4.1')	Soluble	Solid	DI Leach	
880-53406-17	S-9 (1')	Soluble	Solid	DI Leach	
880-53406-18	S-9 (4.1')	Soluble	Solid	DI Leach	
880-53406-19	S-10 (1')	Soluble	Solid	DI Leach	
880-53406-20	S-10 (4.1')	Soluble	Solid	DI Leach	
880-53406-21	S-11 (1')	Soluble	Solid	DI Leach	
880-53406-22	S-11 (4.1')	Soluble	Solid	DI Leach	
880-53406-23	S-12 (1')	Soluble	Solid	DI Leach	
880-53406-24	S-12 (4.1')	Soluble	Solid	DI Leach	
880-53406-25	S-13 (1')	Soluble	Solid	DI Leach	
880-53406-26	S-13 (4.1')	Soluble	Solid	DI Leach	
MB 880-100804/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100804/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100804/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53406-7 MS	S-4 (1')	Soluble	Solid	DI Leach	
880-53406-7 MSD	S-4 (1')	Soluble	Solid	DI Leach	
880-53406-17 MS	S-9 (1')	Soluble	Solid	DI Leach	
880-53406-17 MSD	S-9 (1')	Soluble	Solid	DI Leach	

Leach Batch: 100805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-27	S-14 (1')	Soluble	Solid	DI Leach	
880-53406-28	S-14 (4.1')	Soluble	Solid	DI Leach	
880-53406-29	S-15 (1')	Soluble	Solid	DI Leach	
880-53406-30	S-15 (4.1')	Soluble	Solid	DI Leach	
MB 880-100805/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100805/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100805/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53406-27 MS	S-14 (1')	Soluble	Solid	DI Leach	
880-53406-27 MSD	S-14 (1')	Soluble	Solid	DI Leach	

Analysis Batch: 100871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-27	S-14 (1')	Soluble	Solid	300.0	100805
880-53406-28	S-14 (4.1')	Soluble	Solid	300.0	100805
880-53406-29	S-15 (1')	Soluble	Solid	300.0	100805
880-53406-30	S-15 (4.1')	Soluble	Solid	300.0	100805
MB 880-100805/1-A	Method Blank	Soluble	Solid	300.0	100805
LCS 880-100805/2-A	Lab Control Sample	Soluble	Solid	300.0	100805
LCSD 880-100805/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100805
880-53406-27 MS	S-14 (1')	Soluble	Solid	300.0	100805
880-53406-27 MSD	S-14 (1')	Soluble	Solid	300.0	100805

Analysis Batch: 100872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-7	S-4 (1')	Soluble	Solid	300.0	100804

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

HPLC/IC (Continued)

Analysis Batch: 100872 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53406-8	S-4 (4.1')	Soluble	Solid	300.0	100804
880-53406-9	S-5 (1')	Soluble	Solid	300.0	100804
880-53406-10	S-5 (4.1')	Soluble	Solid	300.0	100804
880-53406-11	S-6 (1')	Soluble	Solid	300.0	100804
880-53406-12	S-6 (4.1')	Soluble	Solid	300.0	100804
880-53406-13	S-7 (1')	Soluble	Solid	300.0	100804
880-53406-14	S-7 (4.1')	Soluble	Solid	300.0	100804
880-53406-15	S-8 (1')	Soluble	Solid	300.0	100804
880-53406-16	S-8 (4.1')	Soluble	Solid	300.0	100804
880-53406-17	S-9 (1')	Soluble	Solid	300.0	100804
880-53406-18	S-9 (4.1')	Soluble	Solid	300.0	100804
880-53406-19	S-10 (1')	Soluble	Solid	300.0	100804
880-53406-20	S-10 (4.1')	Soluble	Solid	300.0	100804
880-53406-21	S-11 (1')	Soluble	Solid	300.0	100804
880-53406-22	S-11 (4.1')	Soluble	Solid	300.0	100804
880-53406-23	S-12 (1')	Soluble	Solid	300.0	100804
880-53406-24	S-12 (4.1')	Soluble	Solid	300.0	100804
880-53406-25	S-13 (1')	Soluble	Solid	300.0	100804
880-53406-26	S-13 (4.1')	Soluble	Solid	300.0	100804
MB 880-100804/1-A	Method Blank	Soluble	Solid	300.0	100804
LCS 880-100804/2-A	Lab Control Sample	Soluble	Solid	300.0	100804
LCSD 880-100804/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100804
880-53406-7 MS	S-4 (1')	Soluble	Solid	300.0	100804
880-53406-7 MSD	S-4 (1')	Soluble	Solid	300.0	100804
880-53406-17 MS	S-9 (1')	Soluble	Solid	300.0	100804
880-53406-17 MSD	S-9 (1')	Soluble	Solid	300.0	100804

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-1 (1')

Lab Sample ID: 880-53406-1

Date Collected: 01/17/25 13:15

Matrix: Solid

Date Received: 01/20/25 14:07

Prep 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	100657	01/20/25 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100620	01/20/25 17:01	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 17:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/21/25 19:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/21/25 19:52	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	100746	01/21/25 09:03	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100761	01/21/25 17:45	CH	EET MID

Client Sample ID: S-1 (4.1')

Lab Sample ID: 880-53406-2

Date Collected: 01/17/25 13:30

Matrix: Solid

Date Received: 01/20/25 14:07

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	100657	01/20/25 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100620	01/20/25 17:21	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 17:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/21/25 20:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/21/25 20:36	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	100746	01/21/25 09:03	SI	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100761	01/21/25 18:08	CH	EET MID

Client Sample ID: S-2 (1')

Lab Sample ID: 880-53406-3

Date Collected: 01/17/25 13:35

Matrix: Solid

Date Received: 01/20/25 14:07

Prep 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	100657	01/20/25 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100620	01/20/25 17:42	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 17:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/21/25 20:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/21/25 20:52	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	100746	01/21/25 09:03	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100761	01/21/25 18:15	CH	EET MID

Client Sample ID: S-2 (4.1')

Lab Sample ID: 880-53406-4

Date Collected: 01/17/25 13:50

Matrix: Solid

Date Received: 01/20/25 14:07

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	100657	01/20/25 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100620	01/20/25 18:03	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 18:03	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-2 (4.1')

Lab Sample ID: 880-53406-4

Date Collected: 01/17/25 13:50

Matrix: Solid

Date Received: 01/20/25 14:07

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			100900	01/21/25 21:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/21/25 21:06	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100746	01/21/25 09:03	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100761	01/21/25 18:23	CH	EET MID

Client Sample ID: S-3 (1')

Lab Sample ID: 880-53406-5

Date Collected: 01/17/25 13:55

Matrix: Solid

Date Received: 01/20/25 14:07

Prep 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	100657	01/20/25 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100620	01/20/25 18:23	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 18:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/21/25 21:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/21/25 21:21	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	100746	01/21/25 09:03	SI	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100761	01/21/25 18:30	CH	EET MID

Client Sample ID: S-3 (4.1')

Lab Sample ID: 880-53406-6

Date Collected: 01/17/25 14:10

Matrix: Solid

Date Received: 01/20/25 14:07

Prep 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	100657	01/20/25 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100620	01/20/25 18:43	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 18:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/21/25 21:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/21/25 21:35	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100746	01/21/25 09:03	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100761	01/21/25 18:37	CH	EET MID

Client Sample ID: S-4 (1')

Lab Sample ID: 880-53406-7

Date Collected: 01/17/25 14:15

Matrix: Solid

Date Received: 01/20/25 14:07

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	100657	01/20/25 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100620	01/20/25 19:04	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 19:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/21/25 21:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/21/25 21:50	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-4 (1')**Date Collected: 01/17/25 14:15****Date Received: 01/20/25 14:07****Lab Sample ID: 880-53406-7****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100872	01/22/25 17:01	CH	EET MID

Client Sample ID: S-4 (4.1')**Date Collected: 01/17/25 14:30****Date Received: 01/20/25 14:07****Lab Sample ID: 880-53406-8****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100657	01/20/25 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100620	01/20/25 19:24	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 19:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/21/25 22:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/21/25 22:04	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100872	01/22/25 17:19	CH	EET MID

Client Sample ID: S-5 (1')**Date Collected: 01/17/25 14:35****Date Received: 01/20/25 14:07****Lab Sample ID: 880-53406-9****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100657	01/20/25 14:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100620	01/20/25 19:45	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 19:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/21/25 22:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/21/25 22:20	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100872	01/22/25 17:24	CH	EET MID

Client Sample ID: S-5 (4.1')**Date Collected: 01/17/25 14:50****Date Received: 01/20/25 14:07****Lab Sample ID: 880-53406-10****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			5.02 g	5 mL	100656	01/20/25 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100621	01/20/25 17:06	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 17:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/21/25 22:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/21/25 22:34	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	100872	01/22/25 17:30	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-6 (1')

Lab Sample ID: 880-53406-11

Date Collected: 01/17/25 14:55

Matrix: Solid

Date Received: 01/20/25 14:07

Prep 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	100656	01/20/25 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100621	01/20/25 17:26	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 17:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/21/25 23:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/21/25 23:03	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	100872	01/22/25 17:36	CH	EET MID

Client Sample ID: S-6 (4.1')

Lab Sample ID: 880-53406-12

Date Collected: 01/17/25 15:10

Matrix: Solid

Date Received: 01/20/25 14:07

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	100656	01/20/25 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100621	01/20/25 17:47	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 17:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/21/25 23:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/21/25 23:19	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100872	01/22/25 17:54	CH	EET MID

Client Sample ID: S-7 (1')

Lab Sample ID: 880-53406-13

Date Collected: 01/17/25 15:15

Matrix: Solid

Date Received: 01/20/25 14:07

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	100656	01/20/25 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100621	01/20/25 18:07	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 18:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/21/25 23:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/21/25 23:33	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100872	01/22/25 18:00	CH	EET MID

Client Sample ID: S-7 (4.1')

Lab Sample ID: 880-53406-14

Date Collected: 01/17/25 15:30

Matrix: Solid

Date Received: 01/20/25 14:07

Prep 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	100656	01/20/25 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100621	01/20/25 18:28	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 18:28	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-7 (4.1')

Lab Sample ID: 880-53406-14

Date Collected: 01/17/25 15:30

Matrix: Solid

Date Received: 01/20/25 14:07

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			100900	01/21/25 23:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/21/25 23:48	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100872	01/22/25 18:06	CH	EET MID

Client Sample ID: S-8 (1')

Lab Sample ID: 880-53406-15

Date Collected: 01/17/25 15:35

Matrix: Solid

Date Received: 01/20/25 14:07

Prep 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	100656	01/20/25 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100621	01/20/25 18:48	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 18:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/22/25 00:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/22/25 00:03	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100872	01/22/25 18:12	CH	EET MID

Client Sample ID: S-8 (4.1')

Lab Sample ID: 880-53406-16

Date Collected: 01/17/25 15:50

Matrix: Solid

Date Received: 01/20/25 14:07

Prep 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	100656	01/20/25 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100621	01/20/25 19:09	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 19:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/22/25 00:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/22/25 00:18	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100872	01/22/25 18:18	CH	EET MID

Client Sample ID: S-9 (1')

Lab Sample ID: 880-53406-17

Date Collected: 01/17/25 15:55

Matrix: Solid

Date Received: 01/20/25 14:07

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	100656	01/20/25 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100621	01/20/25 19:29	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 19:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/22/25 00:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/22/25 00:32	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-9 (1')**Lab Sample ID: 880-53406-17****Date Collected: 01/17/25 15:55****Matrix: Solid****Date Received: 01/20/25 14:07**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100872	01/22/25 18:24	CH	EET MID

Client Sample ID: S-9 (4.1')**Lab Sample ID: 880-53406-18****Date Collected: 01/17/25 16:10****Matrix: Solid****Date Received: 01/20/25 14:07**

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	100656	01/20/25 14:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100621	01/20/25 19:50	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 19:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/22/25 00:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/22/25 00:46	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	100872	01/22/25 18:41	CH	EET MID

Client Sample ID: S-10 (1')**Lab Sample ID: 880-53406-19****Date Collected: 01/17/25 16:15****Matrix: Solid****Date Received: 01/20/25 14:07**

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	100672	01/20/25 14:50	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100618	01/20/25 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 18:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/22/25 01:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/22/25 01:02	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100872	01/22/25 18:47	CH	EET MID

Client Sample ID: S-10 (4.1')**Lab Sample ID: 880-53406-20****Date Collected: 01/17/25 16:30****Matrix: Solid****Date Received: 01/20/25 14:07**

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	100672	01/20/25 14:50	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100618	01/20/25 19:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 19:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/22/25 01:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100701	01/20/25 15:12	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100739	01/22/25 01:15	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100872	01/22/25 19:05	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-11 (1')

Lab Sample ID: 880-53406-21

Date Collected: 01/17/25 16:35

Matrix: Solid

Date Received: 01/20/25 14:07

Prep 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	100672	01/20/25 14:50	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100618	01/20/25 19:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 19:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/22/25 18:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100702	01/20/25 15:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100857	01/22/25 18:16	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100872	01/22/25 19:11	CH	EET MID

Client Sample ID: S-11 (4.1')

Lab Sample ID: 880-53406-22

Date Collected: 01/17/25 16:50

Matrix: Solid

Date Received: 01/20/25 14:07

Prep 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	100672	01/20/25 14:50	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100618	01/20/25 19:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 19:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/22/25 19:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100702	01/20/25 15:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100857	01/22/25 19:00	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100872	01/22/25 19:17	CH	EET MID

Client Sample ID: S-12 (1')

Lab Sample ID: 880-53406-23

Date Collected: 01/17/25 15:55

Matrix: Solid

Date Received: 01/20/25 14:07

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	100672	01/20/25 14:50	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100618	01/20/25 20:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/20/25 20:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/22/25 19:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100702	01/20/25 15:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100857	01/22/25 19:16	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	100872	01/22/25 19:22	CH	EET MID

Client Sample ID: S-12 (4.1')

Lab Sample ID: 880-53406-24

Date Collected: 01/17/25 17:10

Matrix: Solid

Date Received: 01/20/25 14:07

Prep 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	100735	01/21/25 08:46	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100729	01/21/25 18:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/21/25 18:24	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-12 (4.1')

Lab Sample ID: 880-53406-24

Date Collected: 01/17/25 17:10

Matrix: Solid

Date Received: 01/20/25 14:07

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			100900	01/22/25 19:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100702	01/20/25 15:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100857	01/22/25 19:30	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	100872	01/22/25 19:28	CH	EET MID

Client Sample ID: S-13 (1')

Lab Sample ID: 880-53406-25

Date Collected: 01/17/25 17:15

Matrix: Solid

Date Received: 01/20/25 14:07

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	100710	01/20/25 16:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100623	01/21/25 00:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/21/25 00:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/22/25 19:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100702	01/20/25 15:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100857	01/22/25 19:46	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100872	01/22/25 19:34	CH	EET MID

Client Sample ID: S-13 (4.1')

Lab Sample ID: 880-53406-26

Date Collected: 01/17/25 17:25

Matrix: Solid

Date Received: 01/20/25 14:07

Prep 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	100710	01/20/25 16:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100623	01/21/25 01:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/21/25 01:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/22/25 20:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	100702	01/20/25 15:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100857	01/22/25 20:00	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100804	01/21/25 15:40	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100872	01/22/25 19:40	CH	EET MID

Client Sample ID: S-14 (1')

Lab Sample ID: 880-53406-27

Date Collected: 01/17/25 17:30

Matrix: Solid

Date Received: 01/20/25 14:07

Prep 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	100710	01/20/25 16:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100623	01/21/25 01:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/21/25 01:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/22/25 20:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100702	01/20/25 15:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100857	01/22/25 20:14	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Client Sample ID: S-14 (1')**Lab Sample ID: 880-53406-27****Date Collected: 01/17/25 17:30****Matrix: Solid****Date Received: 01/20/25 14:07**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	100805	01/21/25 15:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100871	01/22/25 22:07	CH	EET MID

Client Sample ID: S-14 (4.1')**Lab Sample ID: 880-53406-28****Date Collected: 01/17/25 17:40****Matrix: Solid****Date Received: 01/20/25 14:07**

Prep 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	100710	01/20/25 16:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100623	01/21/25 01:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/21/25 01:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/22/25 20:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100702	01/20/25 15:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100857	01/22/25 20:29	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	100805	01/21/25 15:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100871	01/22/25 22:24	CH	EET MID

Client Sample ID: S-15 (1')**Lab Sample ID: 880-53406-29****Date Collected: 01/17/25 17:45****Matrix: Solid****Date Received: 01/20/25 14:07**

Prep 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	100710	01/20/25 16:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100623	01/21/25 02:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/21/25 02:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/22/25 20:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100702	01/20/25 15:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100857	01/22/25 20:43	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100805	01/21/25 15:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100871	01/22/25 22:30	CH	EET MID

Client Sample ID: S-15 (4.1')**Lab Sample ID: 880-53406-30****Date Collected: 01/17/25 17:55****Matrix: Solid****Date Received: 01/20/25 14:07**

Prep 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	100710	01/20/25 16:16	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100623	01/21/25 02:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100783	01/21/25 02:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			100900	01/22/25 20:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	100702	01/20/25 15:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100857	01/22/25 20:59	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100805	01/21/25 15:42	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100871	01/22/25 22:35	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

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

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Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
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 23

Job ID: 880-53406-1
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

Eurofins Midland

Sample Summary

Client: Crain Environmental
Project/Site: Lamunyon 23

Job ID: 880-53406-1
SDG: Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-53406-1	S-1 (1')	Solid	01/17/25 13:15	01/20/25 14:07	1'
880-53406-2	S-1 (4.1')	Solid	01/17/25 13:30	01/20/25 14:07	4.1'
880-53406-3	S-2 (1')	Solid	01/17/25 13:35	01/20/25 14:07	1'
880-53406-4	S-2 (4.1')	Solid	01/17/25 13:50	01/20/25 14:07	4.1'
880-53406-5	S-3 (1')	Solid	01/17/25 13:55	01/20/25 14:07	1'
880-53406-6	S-3 (4.1')	Solid	01/17/25 14:10	01/20/25 14:07	4.1'
880-53406-7	S-4 (1')	Solid	01/17/25 14:15	01/20/25 14:07	1'
880-53406-8	S-4 (4.1')	Solid	01/17/25 14:30	01/20/25 14:07	4.1'
880-53406-9	S-5 (1')	Solid	01/17/25 14:35	01/20/25 14:07	1'
880-53406-10	S-5 (4.1')	Solid	01/17/25 14:50	01/20/25 14:07	4.1'
880-53406-11	S-6 (1')	Solid	01/17/25 14:55	01/20/25 14:07	1'
880-53406-12	S-6 (4.1')	Solid	01/17/25 15:10	01/20/25 14:07	4.1'
880-53406-13	S-7 (1')	Solid	01/17/25 15:15	01/20/25 14:07	1'
880-53406-14	S-7 (4.1')	Solid	01/17/25 15:30	01/20/25 14:07	4.1'
880-53406-15	S-8 (1')	Solid	01/17/25 15:35	01/20/25 14:07	1'
880-53406-16	S-8 (4.1')	Solid	01/17/25 15:50	01/20/25 14:07	4.1'
880-53406-17	S-9 (1')	Solid	01/17/25 15:55	01/20/25 14:07	1'
880-53406-18	S-9 (4.1')	Solid	01/17/25 16:10	01/20/25 14:07	4.1'
880-53406-19	S-10 (1')	Solid	01/17/25 16:15	01/20/25 14:07	1'
880-53406-20	S-10 (4.1')	Solid	01/17/25 16:30	01/20/25 14:07	4.1'
880-53406-21	S-11 (1')	Solid	01/17/25 16:35	01/20/25 14:07	1'
880-53406-22	S-11 (4.1')	Solid	01/17/25 16:50	01/20/25 14:07	4.1'
880-53406-23	S-12 (1')	Solid	01/17/25 15:55	01/20/25 14:07	1'
880-53406-24	S-12 (4.1')	Solid	01/17/25 17:10	01/20/25 14:07	4.1'
880-53406-25	S-13 (1')	Solid	01/17/25 17:15	01/20/25 14:07	1'
880-53406-26	S-13 (4.1')	Solid	01/17/25 17:25	01/20/25 14:07	4.1'
880-53406-27	S-14 (1')	Solid	01/17/25 17:30	01/20/25 14:07	1'
880-53406-28	S-14 (4.1')	Solid	01/17/25 17:40	01/20/25 14:07	4.1'
880-53406-29	S-15 (1')	Solid	01/17/25 17:45	01/20/25 14:07	1'
880-53406-30	S-15 (4.1')	Solid	01/17/25 17:55	01/20/25 14:07	4.1'



Environment Testing
Xenco

Chain of Custody

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

Work



880-53406 Chain of Custody

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) Billy Moore

Company Name: FAE II

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:	Project Location:	Sampler's Name:	Turn Around	Due Date:	Parameters	Pre-Code	None: NO	DI Water: H ₂ O
Project Name: <u>Lamurgen 23</u>	Project Number: <u>23</u>	Project Location: <u>Lea Co., NM</u>	Sampler's Name: <u>Cindy Crain</u>	☒ Routine ☐ Rush	TAT starts the day received by the lab, if received by 4:30pm			Cool: Cool	MeOH: Me
Temp Blank: <u>Yes</u>	Wet Ice: <u>Yes</u>	Thermometer ID: <u>IR-6</u>	Correction Factor: <u>2.7</u>					HCL: HC	HNO ₃ : HN
Cooler Custody Seals: <u>Yes</u>	Temperature Reading: <u>2.7</u>	Corrected Temperature: <u>2.7</u>						H ₂ SO ₄ : H ₂	NaOH: Na
Sample Custody Seals: <u>Yes</u>								H ₃ PO ₄ : HP	
Total Containers: <u>5</u>								NaHSO ₄ : NABIS	
								Na ₂ S ₂ O ₃ : NaSO ₃	
								Zn Acetate+NaOH: Zn	
								NaOH+Ascorbic Acid: SAPC	

Circle Method(s) and Metal(s) to be analyzed: 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

TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Date/Time
<u>Cindy Crain</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>1/30/25 1410</u>	<u>2</u>
					<u>4</u>
					<u>6</u>

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
 Midland, TX (432) 704-5440, San Antonio, TX (210) 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	Bill to: (if different)	Billy Moore
Company Name: Chain Environmental	Company Name:	11757 Katy Fwy, Ste 725
Address: 2925 E. 17th St.	Address:	Houston, TX 77079
City, State ZIP: Odessa, TX 79761	City, State ZIP:	FAE II
Phone: (575) 441-7244	Email: Cindy.crain@gmail.com	

SAMPLE RECEIPT				ANALYSIS REQUEST													Preservative Codes						
Project Name:	Project Number:	Project Location:	PO #:	Turn Around	Pres. Code																		
Temp Blank:	Temp Blank:	Temp Blank:	Temp Blank:	Yes No	Wet Ice:	Yes No																	
Samples Received Intact:	Cooler Custody Seals:	Sample Custody Seals:	Total Containers:	Yes No	Thermometer ID:	Correction Factor:	Temperature Reading:	Corrected Temperature:															
S-6 (1')	S-6 (4.1')	S-7 (1')	S-7 (4.1')	S-8 (1')	S-8 (4.1')	S-9 (1')	S-9 (4.1')	S-10 (1')	S-10 (4.1')														
				Time Sampled	Date Sampled	Matrix	Grab/Comp	Depth															
				1455	1/17/25	S	1'	1'															
				1510		I	4.1'	4.1'															
				1515		I	1'	1'															
				1530		I	4.1'	4.1'															
				1535		I	1'	1'															
				1550		I	4.1'	4.1'															
				1555		I	1'	1'															
				1610		I	4.1'	4.1'															
				1615		I	1'	1'															
				1630		I	4.1'	4.1'															

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

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

Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Date/Time
Cindy Crain	[Signature]	[Signature]	[Signature]	1/17/25	1/17/25

Revised Date: 08/25/2020 Rev. 2020.2



Environment Testing
Xenco

Chain of Custody

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

Work Order No:

www.xenco.com Page 3 of 3

Project Manager:	Cindy Crain	Bill to: (if different)	Billy Moore
Company Name:	Crain Environmental	Company Name:	FAE II
Address:	2925 E. 17th St.	Address:	11757 Katy Fwy, Ste 725
City, State ZIP:	Dallas, TX 75216	City, State ZIP:	Houston, TX 77079
Phone:	(575) 441-7244	Email:	Cindy.crain@gmail.com

Project Name:	Lammyer 23	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:		Due Date:			
Project Location:	Lea Co. NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Cindy Crain	Temp Blank:	Yes No	Wet Ice:	Yes No
P O #:		Thermometer ID:		Correction Factor:	
		Temperature Reading:		Corrected Temperature:	

SAMPLE RECEIPT				ANALYSIS REQUEST				Preservative Codes			
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters				
S-11 (1')	S	1/17/26	1635	1'	C	1	TPH 8015 M				None: NO
S-11 (4.1')			1650	4.1'			BTEX				Cool: Cool
S-12 (1')			1655	1'			Chlorides				HCL: HC
S-12 (4.1')			1710	4.1'							H ₂ SO ₄ : H ₂
S-13 (1')			1715	1'							H ₃ PO ₄ : HP
S-13 (4.1')			1725	4.1'							NaHSO ₄ : NABIS
S-14 (1')			1730	1'							Na ₂ S ₂ O ₃ : NaSO ₃
S-14 (4.1')			1740	4.1'							Zn Acetate+NaOH: Zn
S-15 (1')			1745	1'							NaOH+Ascorbic Acid: SAPC
S-15 (4.1')			1755	4.1'							

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

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Cindy Crain		1/20/25 1410			

Revised Date: 08/25/2020 Rev. 2020.2



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/29/2025 10:03:50 AM

JOB DESCRIPTION

Lamunyan #23
Lea CO, NM

JOB NUMBER

880-53650-1

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
1/29/2025 10:03:50 AM

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

Client: Crain Environmental
Project/Site: Lamunyan #23

Laboratory Job ID: 880-53650-1
SDG: Lea CO, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	7
QC Association Summary	8
Lab Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
Chain of Custody	13
Receipt Checklists	14

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

Definitions/Glossary

Client: Crain Environmental
Project/Site: Lamunyan #23

Job ID: 880-53650-1
SDG: Lea CO, NM

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Lamunyan #23

Job ID: 880-53650-1

Job ID: 880-53650-1

Eurofins Midland

Job Narrative 880-53650-1

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 1/24/2025 3:35 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 3.1°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyan #23

Job ID: 880-53650-1
SDG: Lea CO, NM

Client Sample ID: S-3 (2')

Date Collected: 01/17/25 14:00

Date Received: 01/24/25 15:35

Sample Depth: 2'

Lab Sample ID: 880-53650-1

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	356		10.0		mg/Kg			01/29/25 01:17	1

Client Sample ID: S-3 (3')

Date Collected: 01/17/25 14:05

Date Received: 01/24/25 15:35

Sample Depth: 3'

Lab Sample ID: 880-53650-2

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	807		9.98		mg/Kg			01/29/25 01:23	1

Client Sample ID: S-6 (2')

Date Collected: 01/17/25 15:00

Date Received: 01/24/25 15:35

Sample Depth: 2'

Lab Sample ID: 880-53650-3

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.8		9.92		mg/Kg			01/29/25 01:40	1

Client Sample ID: S-6 (3')

Date Collected: 01/17/25 15:05

Date Received: 01/24/25 15:35

Sample Depth: 3'

Lab Sample ID: 880-53650-4

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	104		9.92		mg/Kg			01/29/25 01:46	1

Client Sample ID: S-8 (2')

Date Collected: 01/17/25 15:40

Date Received: 01/24/25 15:35

Sample Depth: 2'

Lab Sample ID: 880-53650-5

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.7		9.90		mg/Kg			01/29/25 01:52	1

Client Sample ID: S-8 (3')

Date Collected: 01/17/25 15:45

Date Received: 01/24/25 15:35

Sample Depth: 3'

Lab Sample ID: 880-53650-6

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.0		9.96		mg/Kg			01/29/25 01:58	1

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyan #23

Job ID: 880-53650-1
SDG: Lea CO, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-101325/1-A					Client Sample ID: Method Blank				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 101377									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/29/25 00:30	1

Lab Sample ID: LCS 880-101325/2-A					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 101377									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	269.2		mg/Kg		108	90 - 110		

Lab Sample ID: LCSD 880-101325/3-A					Client Sample ID: Lab Control Sample Dup				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 101377									
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	269.0		mg/Kg		108	90 - 110	0	20

QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyan #23

Job ID: 880-53650-1
SDG: Lea CO, NM

HPLC/IC

Leach Batch: 101325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53650-1	S-3 (2')	Soluble	Solid	DI Leach	
880-53650-2	S-3 (3')	Soluble	Solid	DI Leach	
880-53650-3	S-6 (2')	Soluble	Solid	DI Leach	
880-53650-4	S-6 (3')	Soluble	Solid	DI Leach	
880-53650-5	S-8 (2')	Soluble	Solid	DI Leach	
880-53650-6	S-8 (3')	Soluble	Solid	DI Leach	
MB 880-101325/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-101325/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-101325/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 101377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53650-1	S-3 (2')	Soluble	Solid	300.0	101325
880-53650-2	S-3 (3')	Soluble	Solid	300.0	101325
880-53650-3	S-6 (2')	Soluble	Solid	300.0	101325
880-53650-4	S-6 (3')	Soluble	Solid	300.0	101325
880-53650-5	S-8 (2')	Soluble	Solid	300.0	101325
880-53650-6	S-8 (3')	Soluble	Solid	300.0	101325
MB 880-101325/1-A	Method Blank	Soluble	Solid	300.0	101325
LCS 880-101325/2-A	Lab Control Sample	Soluble	Solid	300.0	101325
LCSD 880-101325/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	101325

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyan #23

Job ID: 880-53650-1
SDG: Lea CO, NM

Client Sample ID: S-3 (2')**Lab Sample ID: 880-53650-1****Date Collected: 01/17/25 14:00****Matrix: Solid****Date Received: 01/24/25 15:35**

Prep 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	101325	01/27/25 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101377	01/29/25 01:17	CH	EET MID

Client Sample ID: S-3 (3')**Lab Sample ID: 880-53650-2****Date Collected: 01/17/25 14:05****Matrix: Solid****Date Received: 01/24/25 15:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	101325	01/27/25 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101377	01/29/25 01:23	CH	EET MID

Client Sample ID: S-6 (2')**Lab Sample ID: 880-53650-3****Date Collected: 01/17/25 15:00****Matrix: Solid****Date Received: 01/24/25 15:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	101325	01/27/25 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101377	01/29/25 01:40	CH	EET MID

Client Sample ID: S-6 (3')**Lab Sample ID: 880-53650-4****Date Collected: 01/17/25 15:05****Matrix: Solid****Date Received: 01/24/25 15:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	101325	01/27/25 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101377	01/29/25 01:46	CH	EET MID

Client Sample ID: S-8 (2')**Lab Sample ID: 880-53650-5****Date Collected: 01/17/25 15:40****Matrix: Solid****Date Received: 01/24/25 15:35**

Prep 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	101325	01/27/25 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101377	01/29/25 01:52	CH	EET MID

Client Sample ID: S-8 (3')**Lab Sample ID: 880-53650-6****Date Collected: 01/17/25 15:45****Matrix: Solid****Date Received: 01/24/25 15:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	101325	01/27/25 16:49	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	101377	01/29/25 01:58	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: Lamunyan #23

Job ID: 880-53650-1
SDG: Lea CO, NM

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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

Method Summary

Client: Crain Environmental
Project/Site: Lamunyan #23

Job ID: 880-53650-1
SDG: Lea CO, NM

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency

Laboratory References:

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

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Sample Summary

Client: Crain Environmental
Project/Site: Lamunyan #23

Job ID: 880-53650-1
SDG: Lea CO, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-53650-1	S-3 (2')	Solid	01/17/25 14:00	01/24/25 15:35	2'
880-53650-2	S-3 (3')	Solid	01/17/25 14:05	01/24/25 15:35	3'
880-53650-3	S-6 (2')	Solid	01/17/25 15:00	01/24/25 15:35	2'
880-53650-4	S-6 (3')	Solid	01/17/25 15:05	01/24/25 15:35	3'
880-53650-5	S-8 (2')	Solid	01/17/25 15:40	01/24/25 15:35	2'
880-53650-6	S-8 (3')	Solid	01/17/25 15:45	01/24/25 15:35	3'

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- 13

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 880-53650 Chain of Custody

www.xenco.com Page 1 of 1

Work Order Comments

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

State of Project: **NM**

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Manager: **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) **Billy Moore**

Company Name: **FAE II**

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

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

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

Project Name: **Lanuvoy #23**

Project Number: **—**

Project Location: **Lea Co, NM**

Sampler's Name: **Cindy Crain**

P.O. #: **—**

Turn Around: ☒ Routine ☐ Rush

Due Date: **11/17/25**

TAT starts the day received by the lab, if received by 4:30pm

Wet Ice: ☒ Yes ☐ No

Thermometer ID: **11754**

Correction Factor: **3.2**

Temperature Reading: **3.1**

Corrected Temperature: **3.1**

Parameters: **Chlorides**

Pres. Code: **—**

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Sample Comments
S-3 (2')	S	11/17/25	1400	2'	C	1	
S-3 (3')			1405	3'	I	1	
S-6 (2')			1500	2'	I	1	
S-6 (3')			1505	3'	I	1	
S-8 (2')			1540	2'	I	1	
S-8 (3')			1545	3'	I	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	[Signature]	11/17/25 1533			

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-53650-1

SDG Number: Lea CO, NM

Login Number: 53650

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
- 8
- 9
- 10
- 11
- 12
- 13
- 14

ANALYTICAL REPORT

PREPARED FOR

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

Lamunyon #23
Lea Co NM

JOB NUMBER

880-69664-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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

Client: Crain Environmental
Project/Site: Lamunyon #23

Laboratory Job ID: 880-69664-1
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	19
QC Sample Results	20
QC Association Summary	25
Lab Chronicle	30
Certification Summary	38
Method Summary	39
Sample Summary	40
Chain of Custody	41
Receipt Checklists	44

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Definitions/Glossary

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
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.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Crain Environmental
Project: Lamunyon #23

Job ID: 880-69664-1

Job ID: 880-69664-1**Eurofins Midland**

Job Narrative
880-69664-1

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 3/17/2026 11:55 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 -4.3°C.

Diesel Range Organics

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: S-1 (880-69664-1), S-2 (880-69664-2), S-4 (880-69664-4), S-5 (880-69664-5), S-6 (880-69664-6) and S-7 (880-69664-7). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: S-3 (880-69664-3). Evidence of matrix interferences is not obvious.

Method 8015B NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-135181 and analytical batch 880-135823 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-135181 and analytical batch 880-135823 was outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-135823 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCV 880-135823/110).

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: S-18 (880-69664-18), S-19 (880-69664-19), S-20 (880-69664-20), B-1 (880-69664-21), B-2 (880-69664-22), B-3 (880-69664-23), B-4 (880-69664-24), B-5 (880-69664-25), B-6 (880-69664-26), B-7 (880-69664-27), B-8 (880-69664-28), B-9 (880-69664-29) and B-10 (880-69664-30). Evidence of matrix interferences is not obvious.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: S-11 (880-69664-11), S-12 (880-69664-12), S-13 (880-69664-13), S-15 (880-69664-15), S-16 (880-69664-16), (LCS 880-135181/2-A), (MB 880-135181/1-A), (880-69664-A-11-C MS) and (880-69664-A-11-D 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.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: S-1

Lab Sample ID: 880-69664-1

Date Collected: 03/13/26 15:30

Matrix: Solid

Date Received: 03/17/26 11:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			03/23/26 15:39	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	<50.2	U	50.2		mg/Kg		03/17/26 17:28	03/23/26 15:39	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		03/17/26 17:28	03/23/26 15:39	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		03/17/26 17:28	03/23/26 15:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130				03/17/26 17:28	03/23/26 15:39	1
o-Terphenyl	113		70 - 130				03/17/26 17:28	03/23/26 15:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	317		10.1		mg/Kg			03/19/26 00:41	1

Client Sample ID: S-2

Lab Sample ID: 880-69664-2

Date Collected: 03/13/26 15:34

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/23/26 15:55	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		03/17/26 17:28	03/23/26 15:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/17/26 17:28	03/23/26 15:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/17/26 17:28	03/23/26 15:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				03/17/26 17:28	03/23/26 15:55	1
o-Terphenyl	121		70 - 130				03/17/26 17:28	03/23/26 15:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		10.0		mg/Kg			03/19/26 00:48	1

Client Sample ID: S-3

Lab Sample ID: 880-69664-3

Date Collected: 03/13/26 15:38

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/23/26 16:10	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: S-3

Lab Sample ID: 880-69664-3

Date Collected: 03/13/26 15:38

Matrix: Solid

Date Received: 03/17/26 11:55

Method: SW846 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		03/17/26 17:28	03/23/26 16:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/17/26 17:28	03/23/26 16:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/17/26 17:28	03/23/26 16:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	160	S1+	70 - 130	03/17/26 17:28	03/23/26 16:10	1
o-Terphenyl	135	S1+	70 - 130	03/17/26 17:28	03/23/26 16:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	326		10.0		mg/Kg			03/19/26 00:54	1

Client Sample ID: S-4

Lab Sample ID: 880-69664-4

Date Collected: 03/13/26 15:42

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/23/26 16:25	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	<50.0	U	50.0		mg/Kg		03/17/26 17:28	03/23/26 16:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/17/26 17:28	03/23/26 16:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/17/26 17:28	03/23/26 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130	03/17/26 17:28	03/23/26 16:25	1
o-Terphenyl	121		70 - 130	03/17/26 17:28	03/23/26 16:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	344		10.0		mg/Kg			03/19/26 01:01	1

Client Sample ID: S-5

Lab Sample ID: 880-69664-5

Date Collected: 03/13/26 15:46

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/23/26 16:41	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	<49.8	U	49.8		mg/Kg		03/17/26 17:28	03/23/26 16:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/17/26 17:28	03/23/26 16:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/17/26 17:28	03/23/26 16:41	1

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Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: S-5

Lab Sample ID: 880-69664-5

Date Collected: 03/13/26 15:46

Matrix: Solid

Date Received: 03/17/26 11:55

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	03/17/26 17:28	03/23/26 16:41	1
o-Terphenyl	116		70 - 130	03/17/26 17:28	03/23/26 16:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	307		9.94		mg/Kg			03/19/26 01:21	1

Client Sample ID: S-6

Lab Sample ID: 880-69664-6

Date Collected: 03/13/26 16:00

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/23/26 16:58	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	<50.0	U	50.0		mg/Kg		03/17/26 17:28	03/23/26 16:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/17/26 17:28	03/23/26 16:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/17/26 17:28	03/23/26 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130	03/17/26 17:28	03/23/26 16:58	1
o-Terphenyl	119		70 - 130	03/17/26 17:28	03/23/26 16:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	301		9.90		mg/Kg			03/19/26 01:27	1

Client Sample ID: S-7

Lab Sample ID: 880-69664-7

Date Collected: 03/13/26 16:04

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/23/26 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/17/26 17:28	03/23/26 17:13	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/17/26 17:28	03/23/26 17:13	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/17/26 17:28	03/23/26 17:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130	03/17/26 17:28	03/23/26 17:13	1
o-Terphenyl	111		70 - 130	03/17/26 17:28	03/23/26 17:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	307		9.98		mg/Kg			03/19/26 01:34	1

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Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: S-8

Lab Sample ID: 880-69664-8

Date Collected: 03/13/26 16:08

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/26/26 08:21	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	<50.0	U	50.0		mg/Kg		03/23/26 13:21	03/26/26 08:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/26 13:21	03/26/26 08:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:21	03/26/26 08:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				03/23/26 13:21	03/26/26 08:21	1
o-Terphenyl	80		70 - 130				03/23/26 13:21	03/26/26 08:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	316		9.96		mg/Kg			03/19/26 01:41	1

Client Sample ID: S-9

Lab Sample ID: 880-69664-9

Date Collected: 03/13/26 16:12

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/26/26 08:42	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	<49.8	U	49.8		mg/Kg		03/23/26 13:21	03/26/26 08:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/23/26 13:21	03/26/26 08:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/23/26 13:21	03/26/26 08:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				03/23/26 13:21	03/26/26 08:42	1
o-Terphenyl	113		70 - 130				03/23/26 13:21	03/26/26 08:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	366		10.0		mg/Kg			03/19/26 01:47	1

Client Sample ID: S-10

Lab Sample ID: 880-69664-10

Date Collected: 03/13/26 16:16

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/26/26 09:01	1

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Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: S-10

Lab Sample ID: 880-69664-10

Date Collected: 03/13/26 16:16

Matrix: Solid

Date Received: 03/17/26 11:55

Method: SW846 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		03/23/26 13:21	03/26/26 09:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/23/26 13:21	03/26/26 09:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/23/26 13:21	03/26/26 09:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130	03/23/26 13:21	03/26/26 09:01	1
o-Terphenyl	64	S1-	70 - 130	03/23/26 13:21	03/26/26 09:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	308		9.96		mg/Kg			03/19/26 01:54	1

Client Sample ID: S-11

Lab Sample ID: 880-69664-11

Date Collected: 03/13/26 16:20

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 04:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1 F1 F2	49.9		mg/Kg		03/17/26 17:44	03/25/26 04:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1 F1 F2	49.9		mg/Kg		03/17/26 17:44	03/25/26 04:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/17/26 17:44	03/25/26 04:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	39	S1-	70 - 130	03/17/26 17:44	03/25/26 04:50	1
o-Terphenyl	29	S1-	70 - 130	03/17/26 17:44	03/25/26 04:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	317		9.92		mg/Kg			03/19/26 02:14	1

Client Sample ID: S-12

Lab Sample ID: 880-69664-12

Date Collected: 03/13/26 16:24

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 05:49	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 *1	50.0		mg/Kg		03/17/26 17:44	03/25/26 05:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/17/26 17:44	03/25/26 05:49	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/17/26 17:44	03/25/26 05:49	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: S-12

Lab Sample ID: 880-69664-12

Date Collected: 03/13/26 16:24

Matrix: Solid

Date Received: 03/17/26 11:55

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	56	S1-	70 - 130	03/17/26 17:44	03/25/26 05:49	1
o-Terphenyl	51	S1-	70 - 130	03/17/26 17:44	03/25/26 05:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	312		9.96		mg/Kg			03/19/26 02:20	1

Client Sample ID: S-13

Lab Sample ID: 880-69664-13

Date Collected: 03/13/26 16:28

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 06:08	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	<49.9	U *1	49.9		mg/Kg		03/17/26 17:44	03/25/26 06:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/17/26 17:44	03/25/26 06:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/17/26 17:44	03/25/26 06:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	55	S1-	70 - 130	03/17/26 17:44	03/25/26 06:08	1
o-Terphenyl	49	S1-	70 - 130	03/17/26 17:44	03/25/26 06:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	319		10.0		mg/Kg			03/19/26 02:40	1

Client Sample ID: S-14

Lab Sample ID: 880-69664-14

Date Collected: 03/13/26 16:32

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 06:27	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 *1	49.9		mg/Kg		03/17/26 17:44	03/25/26 06:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/17/26 17:44	03/25/26 06:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/17/26 17:44	03/25/26 06:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	03/17/26 17:44	03/25/26 06:27	1
o-Terphenyl	74		70 - 130	03/17/26 17:44	03/25/26 06:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	333		10.1		mg/Kg			03/19/26 02:47	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: S-15

Lab Sample ID: 880-69664-15

Date Collected: 03/13/26 16:36

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 06:46	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	<50.0	U *1	50.0		mg/Kg		03/17/26 17:44	03/25/26 06:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/17/26 17:44	03/25/26 06:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/17/26 17:44	03/25/26 06:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	43	S1-	70 - 130				03/17/26 17:44	03/25/26 06:46	1
o-Terphenyl	36	S1-	70 - 130				03/17/26 17:44	03/25/26 06:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	315		9.94		mg/Kg			03/19/26 02:54	1

Client Sample ID: S-16

Lab Sample ID: 880-69664-16

Date Collected: 03/13/26 16:40

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 07:05	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	<49.9	U *1	49.9		mg/Kg		03/17/26 17:44	03/25/26 07:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/17/26 17:44	03/25/26 07:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/17/26 17:44	03/25/26 07:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	12	S1-	70 - 130				03/17/26 17:44	03/25/26 07:05	1
o-Terphenyl	4	S1-	70 - 130				03/17/26 17:44	03/25/26 07:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	349		9.96		mg/Kg			03/19/26 03:47	1

Client Sample ID: S-17

Lab Sample ID: 880-69664-17

Date Collected: 03/13/26 16:42

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 07:26	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: S-17

Lab Sample ID: 880-69664-17

Date Collected: 03/13/26 16:42

Matrix: Solid

Date Received: 03/17/26 11:55

Method: SW846 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		03/17/26 17:44	03/25/26 07:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/17/26 17:44	03/25/26 07:26	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/17/26 17:44	03/25/26 07:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	03/17/26 17:44	03/25/26 07:26	1
o-Terphenyl	108		70 - 130	03/17/26 17:44	03/25/26 07:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	316		9.96		mg/Kg			03/19/26 04:07	1

Client Sample ID: S-18

Lab Sample ID: 880-69664-18

Date Collected: 03/13/26 16:46

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 07:45	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 *1	50.0		mg/Kg		03/17/26 17:44	03/25/26 07:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/17/26 17:44	03/25/26 07:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/17/26 17:44	03/25/26 07:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	48	S1-	70 - 130	03/17/26 17:44	03/25/26 07:45	1
o-Terphenyl	40	S1-	70 - 130	03/17/26 17:44	03/25/26 07:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	323		9.96		mg/Kg			03/19/26 04:13	1

Client Sample ID: S-19

Lab Sample ID: 880-69664-19

Date Collected: 03/13/26 16:50

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 08:05	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	<49.8	U *1	49.8		mg/Kg		03/17/26 17:44	03/25/26 08:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		03/17/26 17:44	03/25/26 08:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/17/26 17:44	03/25/26 08:05	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: S-19

Lab Sample ID: 880-69664-19

Date Collected: 03/13/26 16:50

Matrix: Solid

Date Received: 03/17/26 11:55

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	42	S1-	70 - 130	03/17/26 17:44	03/25/26 08:05	1
o-Terphenyl	35	S1-	70 - 130	03/17/26 17:44	03/25/26 08:05	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	309		9.96		mg/Kg			03/19/26 04:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Client Sample ID: S-20

Lab Sample ID: 880-69664-20

Date Collected: 03/13/26 16:54

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 08:23	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	<49.9	U *1	49.9		mg/Kg		03/17/26 17:44	03/25/26 08:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/17/26 17:44	03/25/26 08:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/17/26 17:44	03/25/26 08:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	03/17/26 17:44	03/25/26 08:23	1
o-Terphenyl	69	S1-	70 - 130	03/17/26 17:44	03/25/26 08:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	342		9.92		mg/Kg			03/19/26 04:26	1

Client Sample ID: B-1

Lab Sample ID: 880-69664-21

Date Collected: 03/13/26 16:58

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 09:02	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	<50.0	U *1	50.0		mg/Kg		03/17/26 17:44	03/25/26 09:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/17/26 17:44	03/25/26 09:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/17/26 17:44	03/25/26 09:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	58	S1-	70 - 130	03/17/26 17:44	03/25/26 09:02	1
o-Terphenyl	56	S1-	70 - 130	03/17/26 17:44	03/25/26 09:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9900		200		mg/Kg			03/19/26 04:46	20

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: B-2

Lab Sample ID: 880-69664-22

Date Collected: 03/13/26 17:02

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 09:22	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	<49.9	U *1	49.9		mg/Kg		03/17/26 17:44	03/25/26 09:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9		mg/Kg		03/17/26 17:44	03/25/26 09:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/17/26 17:44	03/25/26 09:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	58	S1-	70 - 130				03/17/26 17:44	03/25/26 09:22	1
o-Terphenyl	54	S1-	70 - 130				03/17/26 17:44	03/25/26 09:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7460		200		mg/Kg			03/19/26 04:53	20

Client Sample ID: B-3

Lab Sample ID: 880-69664-23

Date Collected: 03/13/26 17:06

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 09:41	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 *1	50.0		mg/Kg		03/17/26 17:44	03/25/26 09:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/17/26 17:44	03/25/26 09:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/17/26 17:44	03/25/26 09:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	54	S1-	70 - 130				03/17/26 17:44	03/25/26 09:41	1
o-Terphenyl	48	S1-	70 - 130				03/17/26 17:44	03/25/26 09:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102		9.96		mg/Kg			03/19/26 05:00	1

Client Sample ID: B-4

Lab Sample ID: 880-69664-24

Date Collected: 03/13/26 17:10

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 10:00	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: B-4

Lab Sample ID: 880-69664-24

Date Collected: 03/13/26 17:10

Matrix: Solid

Date Received: 03/17/26 11:55

Method: SW846 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 *1	49.8		mg/Kg		03/17/26 17:44	03/25/26 10:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		03/17/26 17:44	03/25/26 10:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/17/26 17:44	03/25/26 10:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	63	S1-	70 - 130	03/17/26 17:44	03/25/26 10:00	1
o-Terphenyl	59	S1-	70 - 130	03/17/26 17:44	03/25/26 10:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	266		9.94		mg/Kg			03/19/26 05:06	1

Client Sample ID: B-5

Lab Sample ID: 880-69664-25

Date Collected: 03/13/26 17:14

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		03/17/26 17:44	03/25/26 10:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		03/17/26 17:44	03/25/26 10:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/17/26 17:44	03/25/26 10:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	23	S1-	70 - 130	03/17/26 17:44	03/25/26 10:20	1
o-Terphenyl	18	S1-	70 - 130	03/17/26 17:44	03/25/26 10:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10700		200		mg/Kg			03/19/26 05:13	20

Client Sample ID: B-6

Lab Sample ID: 880-69664-26

Date Collected: 03/13/26 17:18

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 10:39	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 *1	49.8		mg/Kg		03/17/26 17:44	03/25/26 10:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		03/17/26 17:44	03/25/26 10:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/17/26 17:44	03/25/26 10:39	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: B-6

Lab Sample ID: 880-69664-26

Date Collected: 03/13/26 17:18

Matrix: Solid

Date Received: 03/17/26 11:55

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	41	S1-	70 - 130	03/17/26 17:44	03/25/26 10:39	1
o-Terphenyl	33	S1-	70 - 130	03/17/26 17:44	03/25/26 10:39	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	187		9.90		mg/Kg			03/19/26 05:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Client Sample ID: B-7

Lab Sample ID: 880-69664-27

Date Collected: 03/13/26 17:22

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 10:58	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 *1	49.8		mg/Kg		03/17/26 17:44	03/25/26 10:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8		mg/Kg		03/17/26 17:44	03/25/26 10:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/17/26 17:44	03/25/26 10:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	32	S1-	70 - 130	03/17/26 17:44	03/25/26 10:58	1
o-Terphenyl	27	S1-	70 - 130	03/17/26 17:44	03/25/26 10:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12000		198		mg/Kg			03/19/26 05:39	20

Client Sample ID: B-8

Lab Sample ID: 880-69664-28

Date Collected: 03/13/26 17:26

Matrix: Solid

Date Received: 03/17/26 11:55

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			03/25/26 11:17	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U *1	50.2		mg/Kg		03/17/26 17:44	03/25/26 11:17	1
Diesel Range Organics (Over C10-C28)	<50.2	U *1	50.2		mg/Kg		03/17/26 17:44	03/25/26 11:17	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		03/17/26 17:44	03/25/26 11:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	27	S1-	70 - 130	03/17/26 17:44	03/25/26 11:17	1
o-Terphenyl	19	S1-	70 - 130	03/17/26 17:44	03/25/26 11:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2010		50.4		mg/Kg			03/19/26 05:46	5

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: B-9

Lab Sample ID: 880-69664-29

Date Collected: 03/13/26 17:30

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 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	<50.3	U *1	50.3		mg/Kg		03/17/26 17:44	03/25/26 11:36	1
Diesel Range Organics (Over C10-C28)	<50.3	U *1	50.3		mg/Kg		03/17/26 17:44	03/25/26 11:36	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		03/17/26 17:44	03/25/26 11:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	35	S1-	70 - 130				03/17/26 17:44	03/25/26 11:36	1
o-Terphenyl	29	S1-	70 - 130				03/17/26 17:44	03/25/26 11:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11700		199		mg/Kg			03/19/26 06:06	20

Client Sample ID: B-10

Lab Sample ID: 880-69664-30

Date Collected: 03/13/26 17:34

Matrix: Solid

Date Received: 03/17/26 11:55

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			03/25/26 11:56	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	<50.1	U *1	50.1		mg/Kg		03/17/26 17:44	03/25/26 11:56	1
Diesel Range Organics (Over C10-C28)	<50.1	U *1	50.1		mg/Kg		03/17/26 17:44	03/25/26 11:56	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		03/17/26 17:44	03/25/26 11:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	43	S1-	70 - 130				03/17/26 17:44	03/25/26 11:56	1
o-Terphenyl	38	S1-	70 - 130				03/17/26 17:44	03/25/26 11:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13800		200		mg/Kg			03/19/26 11:18	20

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Surrogate Summary

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

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)
880-69664-1	S-1	132 S1+	113
880-69664-2	S-2	141 S1+	121
880-69664-3	S-3	160 S1+	135 S1+
880-69664-4	S-4	145 S1+	121
880-69664-5	S-5	138 S1+	116
880-69664-6	S-6	142 S1+	119
880-69664-7	S-7	131 S1+	111
880-69664-8	S-8	87	80
880-69664-9	S-9	115	113
880-69664-10	S-10	71	64 S1-
880-69664-11	S-11	39 S1-	29 S1-
880-69664-11 MS	S-11	53 S1-	41 S1-
880-69664-11 MSD	S-11	41 S1-	32 S1-
880-69664-12	S-12	56 S1-	51 S1-
880-69664-13	S-13	55 S1-	49 S1-
880-69664-14	S-14	88	74
880-69664-15	S-15	43 S1-	36 S1-
880-69664-16	S-16	12 S1-	4 S1-
880-69664-17	S-17	110	108
880-69664-18	S-18	48 S1-	40 S1-
880-69664-19	S-19	42 S1-	35 S1-
880-69664-20	S-20	74	69 S1-
880-69664-21	B-1	58 S1-	56 S1-
880-69664-22	B-2	58 S1-	54 S1-
880-69664-23	B-3	54 S1-	48 S1-
880-69664-24	B-4	63 S1-	59 S1-
880-69664-25	B-5	23 S1-	18 S1-
880-69664-26	B-6	41 S1-	33 S1-
880-69664-27	B-7	32 S1-	27 S1-
880-69664-28	B-8	27 S1-	19 S1-
880-69664-29	B-9	35 S1-	29 S1-
880-69664-30	B-10	43 S1-	38 S1-
LCS 880-135180/2-A	Lab Control Sample	98	96
LCS 880-135181/2-A	Lab Control Sample	77	68 S1-
LCS 880-135681/2-A	Lab Control Sample	112	104
LCSD 880-135180/3-A	Lab Control Sample Dup	97	93
LCSD 880-135181/3-A	Lab Control Sample Dup	108	96
LCSD 880-135681/3-A	Lab Control Sample Dup	113	103
MB 880-135180/1-A	Method Blank	130	120
MB 880-135181/1-A	Method Blank	53 S1-	54 S1-
MB 880-135681/1-A	Method Blank	94	98

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

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

Lab Sample ID: MB 880-135180/1-A

Matrix: Solid

Analysis Batch: 135628

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 135180

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		03/17/26 17:28	03/23/26 07:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/17/26 17:28	03/23/26 07:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/17/26 17:28	03/23/26 07:52	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				03/17/26 17:28	03/23/26 07:52	1
o-Terphenyl	120		70 - 130				03/17/26 17:28	03/23/26 07:52	1

Lab Sample ID: LCS 880-135180/2-A

Matrix: Solid

Analysis Batch: 135628

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 135180

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1122		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1112		mg/Kg		111	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane	98		70 - 130				
o-Terphenyl	96		70 - 130				

Lab Sample ID: LCSD 880-135180/3-A

Matrix: Solid

Analysis Batch: 135628

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 135180

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1200		mg/Kg		120	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1107		mg/Kg		111	70 - 130	0	20
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	97		70 - 130						
o-Terphenyl	93		70 - 130						

Lab Sample ID: MB 880-135181/1-A

Matrix: Solid

Analysis Batch: 135823

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 135181

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		03/17/26 17:44	03/25/26 03:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/17/26 17:44	03/25/26 03:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/17/26 17:44	03/25/26 03:52	1

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

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

Lab Sample ID: MB 880-135181/1-A

Matrix: Solid

Analysis Batch: 135823

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 135181

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane	53	S1-	70 - 130	03/17/26 17:44	03/25/26 03:52	1				
o-Terphenyl	54	S1-	70 - 130	03/17/26 17:44	03/25/26 03:52	1				

Lab Sample ID: LCS 880-135181/2-A

Matrix: Solid

Analysis Batch: 135823

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 135181

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	873.2		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	967.9		mg/Kg		97	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	77		70 - 130								
o-Terphenyl	68	S1-	70 - 130								

Lab Sample ID: LCSD 880-135181/3-A

Matrix: Solid

Analysis Batch: 135823

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 135181

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1215	*1	mg/Kg		122	70 - 130	33	20	
Diesel Range Organics (Over C10-C28)			1000	1283	*1	mg/Kg		128	70 - 130	28	20	

	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	108		70 - 130									
o-Terphenyl	96		70 - 130									

Lab Sample ID: 880-69664-11 MS

Matrix: Solid

Analysis Batch: 135823

Client Sample ID: S-11

Prep Type: Total/NA

Prep Batch: 135181

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits			
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1 F1	1000	402.6	F1	mg/Kg		40	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.9	U *1 F1	1000	411.9	F1	mg/Kg		41	70 - 130			

	MS	MS										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	53	S1-	70 - 130									
o-Terphenyl	41	S1-	70 - 130									

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QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

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

Lab Sample ID: 880-69664-11 MSD

Matrix: Solid

Analysis Batch: 135823

Client Sample ID: S-11

Prep Type: Total/NA

Prep Batch: 135181

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1 F1	1000	318.2	F1 F2	mg/Kg		32	70 - 130	23	20
Diesel Range Organics (Over C10-C28)	<49.9	U *1 F1	1000	315.5	F1 F2	mg/Kg		32	70 - 130	27	20
		F2									
		F2									
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	41	S1-	70 - 130								
o-Terphenyl	32	S1-	70 - 130								

Lab Sample ID: MB 880-135681/1-A

Matrix: Solid

Analysis Batch: 135940

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 135681

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		03/23/26 13:21	03/26/26 03:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/23/26 13:21	03/26/26 03:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/23/26 13:21	03/26/26 03:09	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				03/23/26 13:21	03/26/26 03:09	1
o-Terphenyl	98		70 - 130				03/23/26 13:21	03/26/26 03:09	1

Lab Sample ID: LCS 880-135681/2-A

Matrix: Solid

Analysis Batch: 135940

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 135681

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	994.4		mg/Kg		99	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1113		mg/Kg		111	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	112		70 - 130						
o-Terphenyl	104		70 - 130						

Lab Sample ID: LCSD 880-135681/3-A

Matrix: Solid

Analysis Batch: 135940

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 135681

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1013		mg/Kg		101	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1106		mg/Kg		111	70 - 130	1	20

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QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

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

Lab Sample ID: LCSD 880-135681/3-A

Matrix: Solid

Analysis Batch: 135940

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 135681

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	103		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-135158/1-A

Matrix: Solid

Analysis Batch: 135305

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<10.0	U	10.0		mg/Kg			03/19/26 00:01		1

Lab Sample ID: LCS 880-135158/2-A

Matrix: Solid

Analysis Batch: 135305

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250	240.0		mg/Kg		96	90 - 110	

Lab Sample ID: LCSD 880-135158/3-A

Matrix: Solid

Analysis Batch: 135305

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	240.3		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-69664-10 MS

Matrix: Solid

Analysis Batch: 135305

Client Sample ID: S-10

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	308		249	561.3		mg/Kg		102	90 - 110	

Lab Sample ID: 880-69664-10 MSD

Matrix: Solid

Analysis Batch: 135305

Client Sample ID: S-10

Prep Type: Soluble

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	308		249	561.0		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-135159/1-A

Matrix: Solid

Analysis Batch: 135306

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Chloride	<10.0	U	10.0		mg/Kg			03/19/26 03:27		1

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QC Sample Results

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-135159/2-A

Matrix: Solid

Analysis Batch: 135306

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	240.7		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-135159/3-A

Matrix: Solid

Analysis Batch: 135306

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	241.9		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-69664-16 MS

Matrix: Solid

Analysis Batch: 135306

Client Sample ID: S-16

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	349		249	610.3		mg/Kg		105	90 - 110		

Lab Sample ID: 880-69664-16 MSD

Matrix: Solid

Analysis Batch: 135306

Client Sample ID: S-16

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	349		249	610.0		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-69664-26 MS

Matrix: Solid

Analysis Batch: 135306

Client Sample ID: B-6

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	187		248	442.6		mg/Kg		103	90 - 110		

Lab Sample ID: 880-69664-26 MSD

Matrix: Solid

Analysis Batch: 135306

Client Sample ID: B-6

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	187		248	442.0		mg/Kg		103	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

GC Semi VOA

Prep Batch: 135180

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69664-1	S-1	Total/NA	Solid	8015NM Prep	
880-69664-2	S-2	Total/NA	Solid	8015NM Prep	
880-69664-3	S-3	Total/NA	Solid	8015NM Prep	
880-69664-4	S-4	Total/NA	Solid	8015NM Prep	
880-69664-5	S-5	Total/NA	Solid	8015NM Prep	
880-69664-6	S-6	Total/NA	Solid	8015NM Prep	
880-69664-7	S-7	Total/NA	Solid	8015NM Prep	
MB 880-135180/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-135180/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-135180/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 135181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69664-11	S-11	Total/NA	Solid	8015NM Prep	
880-69664-12	S-12	Total/NA	Solid	8015NM Prep	
880-69664-13	S-13	Total/NA	Solid	8015NM Prep	
880-69664-14	S-14	Total/NA	Solid	8015NM Prep	
880-69664-15	S-15	Total/NA	Solid	8015NM Prep	
880-69664-16	S-16	Total/NA	Solid	8015NM Prep	
880-69664-17	S-17	Total/NA	Solid	8015NM Prep	
880-69664-18	S-18	Total/NA	Solid	8015NM Prep	
880-69664-19	S-19	Total/NA	Solid	8015NM Prep	
880-69664-20	S-20	Total/NA	Solid	8015NM Prep	
880-69664-21	B-1	Total/NA	Solid	8015NM Prep	
880-69664-22	B-2	Total/NA	Solid	8015NM Prep	
880-69664-23	B-3	Total/NA	Solid	8015NM Prep	
880-69664-24	B-4	Total/NA	Solid	8015NM Prep	
880-69664-25	B-5	Total/NA	Solid	8015NM Prep	
880-69664-26	B-6	Total/NA	Solid	8015NM Prep	
880-69664-27	B-7	Total/NA	Solid	8015NM Prep	
880-69664-28	B-8	Total/NA	Solid	8015NM Prep	
880-69664-29	B-9	Total/NA	Solid	8015NM Prep	
880-69664-30	B-10	Total/NA	Solid	8015NM Prep	
MB 880-135181/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-135181/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-135181/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-69664-11 MS	S-11	Total/NA	Solid	8015NM Prep	
880-69664-11 MSD	S-11	Total/NA	Solid	8015NM Prep	

Analysis Batch: 135628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69664-1	S-1	Total/NA	Solid	8015B NM	135180
880-69664-2	S-2	Total/NA	Solid	8015B NM	135180
880-69664-3	S-3	Total/NA	Solid	8015B NM	135180
880-69664-4	S-4	Total/NA	Solid	8015B NM	135180
880-69664-5	S-5	Total/NA	Solid	8015B NM	135180
880-69664-6	S-6	Total/NA	Solid	8015B NM	135180
880-69664-7	S-7	Total/NA	Solid	8015B NM	135180
MB 880-135180/1-A	Method Blank	Total/NA	Solid	8015B NM	135180
LCS 880-135180/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135180
LCSD 880-135180/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135180

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

GC Semi VOA

Prep Batch: 135681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69664-8	S-8	Total/NA	Solid	8015NM Prep	
880-69664-9	S-9	Total/NA	Solid	8015NM Prep	
880-69664-10	S-10	Total/NA	Solid	8015NM Prep	
MB 880-135681/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-135681/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-135681/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 135760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69664-1	S-1	Total/NA	Solid	8015 NM	
880-69664-2	S-2	Total/NA	Solid	8015 NM	
880-69664-3	S-3	Total/NA	Solid	8015 NM	
880-69664-4	S-4	Total/NA	Solid	8015 NM	
880-69664-5	S-5	Total/NA	Solid	8015 NM	
880-69664-6	S-6	Total/NA	Solid	8015 NM	
880-69664-7	S-7	Total/NA	Solid	8015 NM	
880-69664-8	S-8	Total/NA	Solid	8015 NM	
880-69664-9	S-9	Total/NA	Solid	8015 NM	
880-69664-10	S-10	Total/NA	Solid	8015 NM	
880-69664-11	S-11	Total/NA	Solid	8015 NM	
880-69664-12	S-12	Total/NA	Solid	8015 NM	
880-69664-13	S-13	Total/NA	Solid	8015 NM	
880-69664-14	S-14	Total/NA	Solid	8015 NM	
880-69664-15	S-15	Total/NA	Solid	8015 NM	
880-69664-16	S-16	Total/NA	Solid	8015 NM	
880-69664-17	S-17	Total/NA	Solid	8015 NM	
880-69664-18	S-18	Total/NA	Solid	8015 NM	
880-69664-19	S-19	Total/NA	Solid	8015 NM	
880-69664-20	S-20	Total/NA	Solid	8015 NM	
880-69664-21	B-1	Total/NA	Solid	8015 NM	
880-69664-22	B-2	Total/NA	Solid	8015 NM	
880-69664-23	B-3	Total/NA	Solid	8015 NM	
880-69664-24	B-4	Total/NA	Solid	8015 NM	
880-69664-25	B-5	Total/NA	Solid	8015 NM	
880-69664-26	B-6	Total/NA	Solid	8015 NM	
880-69664-27	B-7	Total/NA	Solid	8015 NM	
880-69664-28	B-8	Total/NA	Solid	8015 NM	
880-69664-29	B-9	Total/NA	Solid	8015 NM	
880-69664-30	B-10	Total/NA	Solid	8015 NM	

Analysis Batch: 135823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69664-11	S-11	Total/NA	Solid	8015B NM	135181
880-69664-12	S-12	Total/NA	Solid	8015B NM	135181
880-69664-13	S-13	Total/NA	Solid	8015B NM	135181
880-69664-14	S-14	Total/NA	Solid	8015B NM	135181
880-69664-15	S-15	Total/NA	Solid	8015B NM	135181
880-69664-16	S-16	Total/NA	Solid	8015B NM	135181
880-69664-17	S-17	Total/NA	Solid	8015B NM	135181
880-69664-18	S-18	Total/NA	Solid	8015B NM	135181
880-69664-19	S-19	Total/NA	Solid	8015B NM	135181

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

GC Semi VOA (Continued)

Analysis Batch: 135823 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69664-20	S-20	Total/NA	Solid	8015B NM	135181
880-69664-21	B-1	Total/NA	Solid	8015B NM	135181
880-69664-22	B-2	Total/NA	Solid	8015B NM	135181
880-69664-23	B-3	Total/NA	Solid	8015B NM	135181
880-69664-24	B-4	Total/NA	Solid	8015B NM	135181
880-69664-25	B-5	Total/NA	Solid	8015B NM	135181
880-69664-26	B-6	Total/NA	Solid	8015B NM	135181
880-69664-27	B-7	Total/NA	Solid	8015B NM	135181
880-69664-28	B-8	Total/NA	Solid	8015B NM	135181
880-69664-29	B-9	Total/NA	Solid	8015B NM	135181
880-69664-30	B-10	Total/NA	Solid	8015B NM	135181
MB 880-135181/1-A	Method Blank	Total/NA	Solid	8015B NM	135181
LCS 880-135181/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135181
LCSD 880-135181/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135181
880-69664-11 MS	S-11	Total/NA	Solid	8015B NM	135181
880-69664-11 MSD	S-11	Total/NA	Solid	8015B NM	135181

Analysis Batch: 135940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69664-8	S-8	Total/NA	Solid	8015B NM	135681
880-69664-9	S-9	Total/NA	Solid	8015B NM	135681
880-69664-10	S-10	Total/NA	Solid	8015B NM	135681
MB 880-135681/1-A	Method Blank	Total/NA	Solid	8015B NM	135681
LCS 880-135681/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	135681
LCSD 880-135681/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	135681

HPLC/IC

Leach Batch: 135158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69664-1	S-1	Soluble	Solid	DI Leach	
880-69664-2	S-2	Soluble	Solid	DI Leach	
880-69664-3	S-3	Soluble	Solid	DI Leach	
880-69664-4	S-4	Soluble	Solid	DI Leach	
880-69664-5	S-5	Soluble	Solid	DI Leach	
880-69664-6	S-6	Soluble	Solid	DI Leach	
880-69664-7	S-7	Soluble	Solid	DI Leach	
880-69664-8	S-8	Soluble	Solid	DI Leach	
880-69664-9	S-9	Soluble	Solid	DI Leach	
880-69664-10	S-10	Soluble	Solid	DI Leach	
880-69664-11	S-11	Soluble	Solid	DI Leach	
880-69664-12	S-12	Soluble	Solid	DI Leach	
880-69664-13	S-13	Soluble	Solid	DI Leach	
880-69664-14	S-14	Soluble	Solid	DI Leach	
880-69664-15	S-15	Soluble	Solid	DI Leach	
MB 880-135158/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-135158/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-135158/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-69664-10 MS	S-10	Soluble	Solid	DI Leach	
880-69664-10 MSD	S-10	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

HPLC/IC

Leach Batch: 135159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69664-16	S-16	Soluble	Solid	DI Leach	
880-69664-17	S-17	Soluble	Solid	DI Leach	
880-69664-18	S-18	Soluble	Solid	DI Leach	
880-69664-19	S-19	Soluble	Solid	DI Leach	
880-69664-20	S-20	Soluble	Solid	DI Leach	
880-69664-21	B-1	Soluble	Solid	DI Leach	
880-69664-22	B-2	Soluble	Solid	DI Leach	
880-69664-23	B-3	Soluble	Solid	DI Leach	
880-69664-24	B-4	Soluble	Solid	DI Leach	
880-69664-25	B-5	Soluble	Solid	DI Leach	
880-69664-26	B-6	Soluble	Solid	DI Leach	
880-69664-27	B-7	Soluble	Solid	DI Leach	
880-69664-28	B-8	Soluble	Solid	DI Leach	
880-69664-29	B-9	Soluble	Solid	DI Leach	
880-69664-30	B-10	Soluble	Solid	DI Leach	
MB 880-135159/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-135159/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-135159/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-69664-16 MS	S-16	Soluble	Solid	DI Leach	
880-69664-16 MSD	S-16	Soluble	Solid	DI Leach	
880-69664-26 MS	B-6	Soluble	Solid	DI Leach	
880-69664-26 MSD	B-6	Soluble	Solid	DI Leach	

Analysis Batch: 135305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69664-1	S-1	Soluble	Solid	300.0	135158
880-69664-2	S-2	Soluble	Solid	300.0	135158
880-69664-3	S-3	Soluble	Solid	300.0	135158
880-69664-4	S-4	Soluble	Solid	300.0	135158
880-69664-5	S-5	Soluble	Solid	300.0	135158
880-69664-6	S-6	Soluble	Solid	300.0	135158
880-69664-7	S-7	Soluble	Solid	300.0	135158
880-69664-8	S-8	Soluble	Solid	300.0	135158
880-69664-9	S-9	Soluble	Solid	300.0	135158
880-69664-10	S-10	Soluble	Solid	300.0	135158
880-69664-11	S-11	Soluble	Solid	300.0	135158
880-69664-12	S-12	Soluble	Solid	300.0	135158
880-69664-13	S-13	Soluble	Solid	300.0	135158
880-69664-14	S-14	Soluble	Solid	300.0	135158
880-69664-15	S-15	Soluble	Solid	300.0	135158
MB 880-135158/1-A	Method Blank	Soluble	Solid	300.0	135158
LCS 880-135158/2-A	Lab Control Sample	Soluble	Solid	300.0	135158
LCSD 880-135158/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	135158
880-69664-10 MS	S-10	Soluble	Solid	300.0	135158
880-69664-10 MSD	S-10	Soluble	Solid	300.0	135158

Analysis Batch: 135306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69664-16	S-16	Soluble	Solid	300.0	135159
880-69664-17	S-17	Soluble	Solid	300.0	135159
880-69664-18	S-18	Soluble	Solid	300.0	135159

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

HPLC/IC (Continued)

Analysis Batch: 135306 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-69664-19	S-19	Soluble	Solid	300.0	135159
880-69664-20	S-20	Soluble	Solid	300.0	135159
880-69664-21	B-1	Soluble	Solid	300.0	135159
880-69664-22	B-2	Soluble	Solid	300.0	135159
880-69664-23	B-3	Soluble	Solid	300.0	135159
880-69664-24	B-4	Soluble	Solid	300.0	135159
880-69664-25	B-5	Soluble	Solid	300.0	135159
880-69664-26	B-6	Soluble	Solid	300.0	135159
880-69664-27	B-7	Soluble	Solid	300.0	135159
880-69664-28	B-8	Soluble	Solid	300.0	135159
880-69664-29	B-9	Soluble	Solid	300.0	135159
880-69664-30	B-10	Soluble	Solid	300.0	135159
MB 880-135159/1-A	Method Blank	Soluble	Solid	300.0	135159
LCS 880-135159/2-A	Lab Control Sample	Soluble	Solid	300.0	135159
LCSD 880-135159/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	135159
880-69664-16 MS	S-16	Soluble	Solid	300.0	135159
880-69664-16 MSD	S-16	Soluble	Solid	300.0	135159
880-69664-26 MS	B-6	Soluble	Solid	300.0	135159
880-69664-26 MSD	B-6	Soluble	Solid	300.0	135159

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: S-1

Lab Sample ID: 880-69664-1

Date Collected: 03/13/26 15:30

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/23/26 15:39	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10.00 mL	135180	03/17/26 17:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135628	03/23/26 15:39	FC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135158	03/17/26 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135305	03/19/26 00:41	CS	EET MID

Client Sample ID: S-2

Lab Sample ID: 880-69664-2

Date Collected: 03/13/26 15:34

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/23/26 15:55	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135180	03/17/26 17:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135628	03/23/26 15:55	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	135158	03/17/26 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135305	03/19/26 00:48	CS	EET MID

Client Sample ID: S-3

Lab Sample ID: 880-69664-3

Date Collected: 03/13/26 15:38

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/23/26 16:10	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135180	03/17/26 17:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135628	03/23/26 16:10	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	135158	03/17/26 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135305	03/19/26 00:54	CS	EET MID

Client Sample ID: S-4

Lab Sample ID: 880-69664-4

Date Collected: 03/13/26 15:42

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/23/26 16:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	135180	03/17/26 17:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135628	03/23/26 16:25	FC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	135158	03/17/26 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135305	03/19/26 01:01	CS	EET MID

Client Sample ID: S-5

Lab Sample ID: 880-69664-5

Date Collected: 03/13/26 15:46

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/23/26 16:41	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: S-5

Lab Sample ID: 880-69664-5

Date Collected: 03/13/26 15:46

Matrix: Solid

Date Received: 03/17/26 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135180	03/17/26 17:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135628	03/23/26 16:41	FC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	135158	03/17/26 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135305	03/19/26 01:21	CS	EET MID

Client Sample ID: S-6

Lab Sample ID: 880-69664-6

Date Collected: 03/13/26 16:00

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/23/26 16:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135180	03/17/26 17:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135628	03/23/26 16:58	FC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	135158	03/17/26 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135305	03/19/26 01:27	CS	EET MID

Client Sample ID: S-7

Lab Sample ID: 880-69664-7

Date Collected: 03/13/26 16:04

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/23/26 17:13	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135180	03/17/26 17:28	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135628	03/23/26 17:13	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	135158	03/17/26 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135305	03/19/26 01:34	CS	EET MID

Client Sample ID: S-8

Lab Sample ID: 880-69664-8

Date Collected: 03/13/26 16:08

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/26/26 08:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135681	03/23/26 13:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135940	03/26/26 08:21	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	135158	03/17/26 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135305	03/19/26 01:41	CS	EET MID

Client Sample ID: S-9

Lab Sample ID: 880-69664-9

Date Collected: 03/13/26 16:12

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/26/26 08:42	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: S-9

Lab Sample ID: 880-69664-9

Date Collected: 03/13/26 16:12

Matrix: Solid

Date Received: 03/17/26 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135681	03/23/26 13:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135940	03/26/26 08:42	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	135158	03/17/26 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135305	03/19/26 01:47	CS	EET MID

Client Sample ID: S-10

Lab Sample ID: 880-69664-10

Date Collected: 03/13/26 16:16

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/26/26 09:01	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135681	03/23/26 13:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135940	03/26/26 09:01	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	135158	03/17/26 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135305	03/19/26 01:54	CS	EET MID

Client Sample ID: S-11

Lab Sample ID: 880-69664-11

Date Collected: 03/13/26 16:20

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/25/26 04:50	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 04:50	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	135158	03/17/26 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135305	03/19/26 02:14	CS	EET MID

Client Sample ID: S-12

Lab Sample ID: 880-69664-12

Date Collected: 03/13/26 16:24

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/25/26 05:49	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 05:49	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	135158	03/17/26 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135305	03/19/26 02:20	CS	EET MID

Client Sample ID: S-13

Lab Sample ID: 880-69664-13

Date Collected: 03/13/26 16:28

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/25/26 06:08	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: S-13

Lab Sample ID: 880-69664-13

Date Collected: 03/13/26 16:28

Matrix: Solid

Date Received: 03/17/26 11:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 06:08	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135158	03/17/26 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135305	03/19/26 02:40	CS	EET MID

Client Sample ID: S-14

Lab Sample ID: 880-69664-14

Date Collected: 03/13/26 16:32

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/25/26 06:27	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 06:27	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135158	03/17/26 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135305	03/19/26 02:47	CS	EET MID

Client Sample ID: S-15

Lab Sample ID: 880-69664-15

Date Collected: 03/13/26 16:36

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/25/26 06:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 06:46	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	135158	03/17/26 16:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135305	03/19/26 02:54	CS	EET MID

Client Sample ID: S-16

Lab Sample ID: 880-69664-16

Date Collected: 03/13/26 16:40

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/25/26 07:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 07:05	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	135159	03/17/26 16:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135306	03/19/26 03:47	CS	EET MID

Client Sample ID: S-17

Lab Sample ID: 880-69664-17

Date Collected: 03/13/26 16:42

Matrix: Solid

Date Received: 03/17/26 11:55

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			135760	03/25/26 07:26	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: S-17

Date Collected: 03/13/26 16:42

Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 07:26	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	135159	03/17/26 16:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135306	03/19/26 04:07	CS	EET MID

Client Sample ID: S-18

Date Collected: 03/13/26 16:46

Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			135760	03/25/26 07:45	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 07:45	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	135159	03/17/26 16:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135306	03/19/26 04:13	CS	EET MID

Client Sample ID: S-19

Date Collected: 03/13/26 16:50

Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			135760	03/25/26 08:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 08:05	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	135159	03/17/26 16:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135306	03/19/26 04:20	CS	EET MID

Client Sample ID: S-20

Date Collected: 03/13/26 16:54

Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			135760	03/25/26 08:23	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 08:23	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	135159	03/17/26 16:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135306	03/19/26 04:26	CS	EET MID

Client Sample ID: B-1

Date Collected: 03/13/26 16:58

Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			135760	03/25/26 09:02	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: B-1
Date Collected: 03/13/26 16:58
Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 09:02	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	135159	03/17/26 16:11	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	135306	03/19/26 04:46	CS	EET MID

Client Sample ID: B-2
Date Collected: 03/13/26 17:02
Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			135760	03/25/26 09:22	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 09:22	SA	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	135159	03/17/26 16:11	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	135306	03/19/26 04:53	CS	EET MID

Client Sample ID: B-3
Date Collected: 03/13/26 17:06
Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			135760	03/25/26 09:41	SA	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 09:41	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	135159	03/17/26 16:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135306	03/19/26 05:00	CS	EET MID

Client Sample ID: B-4
Date Collected: 03/13/26 17:10
Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			135760	03/25/26 10:00	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 10:00	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	135159	03/17/26 16:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135306	03/19/26 05:06	CS	EET MID

Client Sample ID: B-5
Date Collected: 03/13/26 17:14
Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			135760	03/25/26 10:20	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: B-5

Date Collected: 03/13/26 17:14

Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 10:20	SA	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	135159	03/17/26 16:11	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	135306	03/19/26 05:13	CS	EET MID

Client Sample ID: B-6

Date Collected: 03/13/26 17:18

Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			135760	03/25/26 10:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 10:39	SA	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	135159	03/17/26 16:11	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	135306	03/19/26 05:19	CS	EET MID

Client Sample ID: B-7

Date Collected: 03/13/26 17:22

Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			135760	03/25/26 10:58	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 10:58	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	135159	03/17/26 16:11	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	135306	03/19/26 05:39	CS	EET MID

Client Sample ID: B-8

Date Collected: 03/13/26 17:26

Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-28

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			135760	03/25/26 11:17	SA	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 11:17	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	135159	03/17/26 16:11	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	135306	03/19/26 05:46	CS	EET MID

Client Sample ID: B-9

Date Collected: 03/13/26 17:30

Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-29

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			135760	03/25/26 11:36	SA	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Client Sample ID: B-9
Date Collected: 03/13/26 17:30
Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-29
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	8015NM Prep			9.95 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 11:36	SA	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	135159	03/17/26 16:11	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	135306	03/19/26 06:06	CS	EET MID

Client Sample ID: B-10
Date Collected: 03/13/26 17:34
Date Received: 03/17/26 11:55

Lab Sample ID: 880-69664-30
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			135760	03/25/26 11:56	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	135181	03/17/26 17:44	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	135823	03/25/26 11:56	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	135159	03/17/26 16:11	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	135306	03/19/26 11:18	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 #23

Job ID: 880-69664-1
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

Method Summary

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Crain Environmental
Project/Site: Lamunyon #23

Job ID: 880-69664-1
SDG: Lea Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
880-69664-1	S-1	Solid	03/13/26 15:30	03/17/26 11:55	Texas
880-69664-2	S-2	Solid	03/13/26 15:34	03/17/26 11:55	Texas
880-69664-3	S-3	Solid	03/13/26 15:38	03/17/26 11:55	Texas
880-69664-4	S-4	Solid	03/13/26 15:42	03/17/26 11:55	Texas
880-69664-5	S-5	Solid	03/13/26 15:46	03/17/26 11:55	Texas
880-69664-6	S-6	Solid	03/13/26 16:00	03/17/26 11:55	Texas
880-69664-7	S-7	Solid	03/13/26 16:04	03/17/26 11:55	Texas
880-69664-8	S-8	Solid	03/13/26 16:08	03/17/26 11:55	Texas
880-69664-9	S-9	Solid	03/13/26 16:12	03/17/26 11:55	Texas
880-69664-10	S-10	Solid	03/13/26 16:16	03/17/26 11:55	Texas
880-69664-11	S-11	Solid	03/13/26 16:20	03/17/26 11:55	Texas
880-69664-12	S-12	Solid	03/13/26 16:24	03/17/26 11:55	Texas
880-69664-13	S-13	Solid	03/13/26 16:28	03/17/26 11:55	Texas
880-69664-14	S-14	Solid	03/13/26 16:32	03/17/26 11:55	Texas
880-69664-15	S-15	Solid	03/13/26 16:36	03/17/26 11:55	Texas
880-69664-16	S-16	Solid	03/13/26 16:40	03/17/26 11:55	Texas
880-69664-17	S-17	Solid	03/13/26 16:42	03/17/26 11:55	Texas
880-69664-18	S-18	Solid	03/13/26 16:46	03/17/26 11:55	Texas
880-69664-19	S-19	Solid	03/13/26 16:50	03/17/26 11:55	Texas
880-69664-20	S-20	Solid	03/13/26 16:54	03/17/26 11:55	Texas
880-69664-21	B-1	Solid	03/13/26 16:58	03/17/26 11:55	Texas
880-69664-22	B-2	Solid	03/13/26 17:02	03/17/26 11:55	Texas
880-69664-23	B-3	Solid	03/13/26 17:06	03/17/26 11:55	Texas
880-69664-24	B-4	Solid	03/13/26 17:10	03/17/26 11:55	Texas
880-69664-25	B-5	Solid	03/13/26 17:14	03/17/26 11:55	Texas
880-69664-26	B-6	Solid	03/13/26 17:18	03/17/26 11:55	Texas
880-69664-27	B-7	Solid	03/13/26 17:22	03/17/26 11:55	Texas
880-69664-28	B-8	Solid	03/13/26 17:26	03/17/26 11:55	Texas
880-69664-29	B-9	Solid	03/13/26 17:30	03/17/26 11:55	Texas
880-69664-30	B-10	Solid	03/13/26 17:34	03/17/26 11:55	Texas

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



880-696654 Chain of Custody

Page 1 of 3

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[illegible]

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



Environment Testing
Xenco

Work Order No:

Page 2 of 3

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Work Order Comments

Program: ☐ RRP ☐ Downfields ☐ RRP ☐ Subfund ☐

State of Project: **NM**

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

Deliverables: EDD ☐ ADaPT ☐ Other: ☐

Project Manager: **Cindy Crain**

Company Name: **Crain Environmental**

Address: **2925 East 17th Street**

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

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

Bill to: (if different) **AP@laenerqvus.com**

Company Name: **Forty Acres**

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

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

Email: **cindy.crain@gmail.com**

Project Name: Lamunyon #23		Turn Around		Parameters		ANALYSIS REQUEST		Preservative Codes	
Project Number:	NA	☒ Routine ☐ Rush	Due Date:	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Thermometer ID:	
Project Location:	Lea Co., NM	TAT starts the day received by the lab, if received by 4:30pm		Yes ☒ No ☐	Correction Factor:	Yes ☒ No ☐	Temperature Reading:	Corrected Temperature:	
Sampler's Name:	Cindy Crain	SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐	Thermometer ID:	
PO #:	NA	Samples Received Intact:		Yes ☒ No ☐	Correction Factor:	Yes ☒ No ☐	Temperature Reading:	Corrected Temperature:	
Cooler Custody Seals:		Yes ☒ No ☐	Temperature Reading:	Corrected Temperature:					
Sample Custody Seals:		Yes ☒ No ☐	Temperature Reading:	Corrected Temperature:					
Total Containers:		Yes ☒ No ☐	Temperature Reading:	Corrected Temperature:					
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont			
S-11	S	3/13/2026	1620	0-4.1'	C	1	X	X	Chlorides
S-12	S	3/13/2026	1624	0-4.1'	C	1	X	X	TPH 8015 M
S-13	S	3/13/2026	1628	0-4.1'	C	1	X	X	
S-14	S	3/13/2026	1632	0-4.1'	C	1	X	X	
S-15	S	3/13/2026	1636	0-4.1'	C	1	X	X	
S-16	S	3/13/2026	1640	0-4.1'	C	1	X	X	
S-17	S	3/13/2026	1642	0-4.1'	C	1	X	X	
S-18	S	3/13/2026	1646	0-4.1'	C	1	X	X	
S-19	S	3/13/2026	1650	0-4.1'	C	1	X	X	
S-20	S	3/13/2026	1654	0-4.1'	C	1	X	X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

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

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	Eric Dyl	3.17.26 155			

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

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Work Order No: _____

Page 3 of 3

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Project Manager: Cindy Crain		Bill to: (if different)		AP@faenergys.com	
Company Name: Crain Environmental		Company Name: Forty Acres			
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			

Project Name: Lamunyon #23		Turn Around		Pres. Code	
Project Number: NA		☒ Routine ☐ Rush			
Project Location: Lea Co., NM		Due Date:			
Sampler's Name: Cindy Crain		TAT starts the day received by the lab. if received by 4:30pm			
PO #: NA					

SAMPLE RECEIPT				ANALYSIS REQUEST				PRESERVATIVE CODES				
Samples Received Intact:	Yes	No	Temp Blank:	Yes	No	Wet Ice:	Yes	No	None:	NO	DI Water:	H ₂ O
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:					Cool:	Cool	MeOH:	Me
Sample Custody Seals:	Yes	No	N/A	Temperature Reading:					HCL:	HC	HNO ₃ :	HN
Total Containers:				Corrected Temperature:					H ₂ SO ₄ :	H ₂	NaOH:	Na

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Chlorides	TPH 8015 M	Sample Comments
B-1	S	3/13/2026	1658	4.1'	C	1		X		
B-2	S	3/13/2026	1702	4.1'	C	1		X		
B-3	S	3/13/2026	1706	4.1'	C	1		X		
B-4	S	3/13/2026	1710	4.1'	C	1		X		
B-5	S	3/13/2026	1714	4.1'	C	1		X		
B-6	S	3/13/2026	1718	4.1'	C	1		X		
B-7	S	3/13/2026	1722	4.1'	C	1		X		
B-8	S	3/13/2026	1726	4.1'	C	1		X		
B-9	S	3/13/2026	1730	4.1'	C	1		X		
B-10	S	3/13/2026	1734	4.1'	C	1		X		

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Cindy Crain</i>	<i>Erin Dugan</i>	3/17/26 1155			

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-69664-1

SDG Number: Lea Co NM

Login Number: 69664

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	

Report to:
Cindy Crain



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Crain Environmental

Project Name: Lamunyon 23

Work Order: E606257

Job Number: 26024-0001

Received: 6/26/2026

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/1/26

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/1/26

Cindy Crain
2925 E. 17th St.
Odessa, TX 79761



Project Name: Lamunyon 23
Workorder: E606257
Date Received: 6/26/2026 6:30:00AM

Cindy Crain,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/26/2026 6:30:00AM, under the Project Name: Lamunyon 23.

The analytical test results summarized in this report with the Project Name: Lamunyon 23 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
B-5	6
B-7	7
B-9	8
B-10	9
B-11	10
B-12	11
B-13	12
B-14	13
B-15	14
B-16	15
S-21	16
S-22	17
S-23	18
S-24	19
S-25	20
S-26	21
S-27	22
S-28	23
S-29	24
S-30	25

Table of Contents (continued)

QC Summary Data	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	26
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	27
QC - Anions by EPA 300.0/9056A	28
Definitions and Notes	29
Chain of Custody etc.	30

Sample Summary

Crain Environmental 2925 E. 17th St. Odessa TX, 79761	Project Name: Lamunyon 23 Project Number: 26024-0001 Project Manager: Cindy Crain	Reported: 07/01/26 13:44
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
B-5	E606257-01A	Soil	06/24/26	06/26/26	Glass Jar, 4 oz.
B-7	E606257-02A	Soil	06/24/26	06/26/26	Glass Jar, 4 oz.
B-9	E606257-03A	Soil	06/24/26	06/26/26	Glass Jar, 4 oz.
B-10	E606257-04A	Soil	06/24/26	06/26/26	Glass Jar, 4 oz.
B-11	E606257-05A	Soil	06/24/26	06/26/26	Glass Jar, 4 oz.
B-12	E606257-06A	Soil	06/24/26	06/26/26	Glass Jar, 4 oz.
B-13	E606257-07A	Soil	06/24/26	06/26/26	Glass Jar, 4 oz.
B-14	E606257-08A	Soil	06/24/26	06/26/26	Glass Jar, 4 oz.
B-15	E606257-09A	Soil	06/24/26	06/26/26	Glass Jar, 4 oz.
B-16	E606257-10A	Soil	06/24/26	06/26/26	Glass Jar, 4 oz.
S-21	E606257-11A	Soil	06/24/26	06/26/26	Glass Jar, 2 oz.
S-22	E606257-12A	Soil	06/24/26	06/26/26	Glass Jar, 2 oz.
S-23	E606257-13A	Soil	06/24/26	06/26/26	Glass Jar, 2 oz.
S-24	E606257-14A	Soil	06/24/26	06/26/26	Glass Jar, 2 oz.
S-25	E606257-15A	Soil	06/24/26	06/26/26	Glass Jar, 2 oz.
S-26	E606257-16A	Soil	06/24/26	06/26/26	Glass Jar, 2 oz.
S-27	E606257-17A	Soil	06/24/26	06/26/26	Glass Jar, 2 oz.
S-28	E606257-18A	Soil	06/24/26	06/26/26	Glass Jar, 2 oz.
S-29	E606257-19A	Soil	06/24/26	06/26/26	Glass Jar, 2 oz.
S-30	E606257-20A	Soil	06/24/26	06/26/26	Glass Jar, 2 oz.



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

B-5

E606257-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.7 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	06/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	06/30/26	
Surrogate: n-Nonane	107 %	69-135		06/29/26	06/30/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	ND	20.0	1	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

B-7

E606257-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.0 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	06/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	06/30/26	
<i>Surrogate: n-Nonane</i>	107 %	69-135		06/29/26	06/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	80.4	20.0	1	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

B-9

E606257-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.1 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	06/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	06/30/26	
Surrogate: n-Nonane	109 %	69-135		06/29/26	06/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	568	20.0	1	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

B-10

E606257-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.5 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	06/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	06/30/26	
<i>Surrogate: n-Nonane</i>	110 %	69-135		06/29/26	06/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	ND	20.0	1	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

B-11

E606257-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.9 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	06/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	06/30/26	
Surrogate: n-Nonane	109 %	69-135		06/29/26	06/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	134	20.0	1	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

B-12

E606257-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.2 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	06/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	06/30/26	
Surrogate: n-Nonane	109 %	69-135		06/29/26	06/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	30900	2000	100	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

B-13

E606257-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.1 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	06/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	06/30/26	
Surrogate: n-Nonane	110 %	69-135		06/29/26	06/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	17800	400	20	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

B-14

E606257-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.8 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	06/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	06/30/26	
Surrogate: n-Nonane	109 %	69-135		06/29/26	06/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	27400	1000	50	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

B-15

E606257-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.3 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	06/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	06/30/26	
Surrogate: n-Nonane	110 %	69-135		06/29/26	06/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	21000	1000	50	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

B-16

E606257-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	84.8 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	06/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	06/30/26	
<i>Surrogate: n-Nonane</i>	112 %	69-135		06/29/26	06/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	11400	200	10	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

S-21

E606257-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID	85.5 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	06/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	06/30/26	
Surrogate: n-Nonane	110 %	69-135		06/29/26	06/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	200	20.0	1	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

S-22

E606257-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	84.9 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	06/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	06/30/26	
<i>Surrogate: n-Nonane</i>	109 %	69-135		06/29/26	06/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	92.6	20.0	1	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

S-23

E606257-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.2 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	06/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	06/30/26	
Surrogate: n-Nonane	111 %	69-135		06/29/26	06/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	198	20.0	1	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

S-24

E606257-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.1 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	06/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	06/30/26	
Surrogate: n-Nonane	110 %	69-135		06/29/26	06/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	203	20.0	1	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

S-25

E606257-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.6 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	06/30/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	06/30/26	
<i>Surrogate: n-Nonane</i>	107 %	69-135		06/29/26	06/30/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	202	20.0	1	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

S-26

E606257-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.7 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	07/01/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	07/01/26	
Surrogate: n-Nonane	110 %	69-135		06/29/26	07/01/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	213	20.0	1	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

S-27

E606257-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2626093
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.6 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2627013
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	07/01/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	07/01/26	
Surrogate: n-Nonane	109 %	69-135		06/29/26	07/01/26	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2626099
Chloride	204	20.0	1	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

S-28

E606257-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.4 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	07/01/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	07/01/26	
<i>Surrogate: n-Nonane</i>	111 %	69-135		06/29/26	07/01/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	206	20.0	1	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

S-29

E606257-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.9 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	07/01/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	07/01/26	
<i>Surrogate: n-Nonane</i>	111 %	69-135		06/29/26	07/01/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	229	20.0	1	06/26/26	06/26/26	



Sample Data

Crain Environmental
2925 E. 17th St.
Odessa TX, 79761

Project Name: Lamunyon 23
Project Number: 26024-0001
Project Manager: Cindy Crain

Reported:
7/1/2026 1:44:39PM

S-30

E606257-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2626093	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/26	06/26/26	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.7 %	70-130		06/26/26	06/26/26	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2627013	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/29/26	07/01/26	
Oil Range Organics (C28-C36)	ND	50.0	1	06/29/26	07/01/26	
<i>Surrogate: n-Nonane</i>	112 %	69-135		06/29/26	07/01/26	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2626099	
Chloride	191	20.0	1	06/26/26	06/26/26	



QC Summary Data

Crain Environmental 2925 E. 17th St. Odessa TX, 79761	Project Name: Lamunyon 23 Project Number: 26024-0001 Project Manager: Cindy Crain	Reported: 7/1/2026 1:44:39PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2626093-BLK1)

Prepared: 06/26/26 Analyzed: 06/26/26

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		8.00		87.9	70-130			

LCS (2626093-BS2)

Prepared: 06/26/26 Analyzed: 06/26/26

Gasoline Range Organics (C6-C10)	58.7	20.0	50.0		117	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.8	70-130			

Matrix Spike (2626093-MS2)

Source: E606257-04

Prepared: 06/26/26 Analyzed: 06/26/26

Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	60-137			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.6	70-130			

Matrix Spike Dup (2626093-MSD2)

Source: E606257-04

Prepared: 06/26/26 Analyzed: 06/26/26

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0	ND	111	60-137	6.82	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.98		8.00		87.2	70-130			



QC Summary Data

Crain Environmental 2925 E. 17th St. Odessa TX, 79761	Project Name: Lamunyon 23 Project Number: 26024-0001 Project Manager: Cindy Crain	Reported: 7/1/2026 1:44:39PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2627013-BLK1)

Prepared: 06/29/26 Analyzed: 06/30/26

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	55.0		50.0		110	69-135			

LCS (2627013-BS1)

Prepared: 06/29/26 Analyzed: 06/30/26

Diesel Range Organics (C10-C28)	225	25.0	250		90.0	70-131			
Surrogate: <i>n</i> -Nonane	53.1		50.0		106	69-135			

Matrix Spike (2627013-MS1)

Source: E606257-15

Prepared: 06/29/26 Analyzed: 06/30/26

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.3	62-151			
Surrogate: <i>n</i> -Nonane	54.8		50.0		110	69-135			

Matrix Spike Dup (2627013-MSD1)

Source: E606257-15

Prepared: 06/29/26 Analyzed: 06/30/26

Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.3	62-151	2.19	20	
Surrogate: <i>n</i> -Nonane	53.4		50.0		107	69-135			



QC Summary Data

Crain Environmental	Project Name:	Lamunyon 23	Reported:
2925 E. 17th St.	Project Number:	26024-0001	
Odessa TX, 79761	Project Manager:	Cindy Crain	7/1/2026 1:44:39PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2626099-BLK1)					Prepared: 06/26/26 Analyzed: 06/26/26				
Chloride	ND	20.0							
LCS (2626099-BS1)					Prepared: 06/26/26 Analyzed: 06/26/26				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2626099-MS1)					Source: E606257-07		Prepared: 06/26/26 Analyzed: 06/26/26		
Chloride	19000	400	250	17800	492	80-120			M4
Matrix Spike Dup (2626099-MSD1)					Source: E606257-07		Prepared: 06/26/26 Analyzed: 06/26/26		
Chloride	17300	400	250	17800	NR	80-120	9.24	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Crain Environmental	Project Name:	Lamunyon 23	
2925 E. 17th St.	Project Number:	26024-0001	Reported:
Odessa TX, 79761	Project Manager:	Cindy Crain	07/01/26 13:44

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Crain Environmental				Company: Forty Acres		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project Name: Lamunyon 23				Address: 11757 Katy Frwy., Ste. 725		E606257	26024-0001				X	X						
Project Manager: Cindy Crain				City, State, Zip: Houston, TX 77079														
Address: 2925 E. 17th St.				Phone: (832) 219-3989														
City, State, Zip: Odessa, TX 79761				Email: AP@faenergyus.com														
Phone: (575) 441-7244				Miscellaneous: Leasa Hale														
Email: cindy.crain@gmail.com																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	TPH by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
															Compliance	Y	or	N
															PWSID #			
															Sample Temp			Remarks
0830	6/24/2026	S	1	B-5		1	X			X								2.5
0834	6/24/2026	S	1	B-7		2	X			X								2.9
0838	6/24/2026	S	1	B-9		3	X			X								2.1
0842	6/24/2026	S	1	B-10		4	X			X								2.3
0846	6/24/2026	S	1	B-11		5	X			X								2.0
0850	6/24/2026	S	1	B-12		6	X			X								1.7
0854	6/24/2026	S	1	B-13		7	X			X								1.9
0858	6/24/2026	S	1	B-14		8	X			X								2.3
0902	6/24/2026	S	1	B-15		9	X			X								2.2
0906	6/24/2026	S	1	B-16		10	X			X								2.9
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Cindy Crain																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: Y/N										
Cindy Crain		6/25/26	1300	Michelle Gonzales		6-25-26	1300											
Michelle Gonzales		6-25-26	1515	Marissa Gonzales		6-25-26	1515											
Marissa Gonzales		6-25-26	1945	Johnny Archuleta		6-25-26	1945											
Johnny Archuleta		6-25-26	2345	Na Sa		6-26-26	0630											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Crain Environmental				Company: Forty Acres		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Name: Lamunyon 23				Address: 11757 Katy Frwy., Ste. 725		E 606257	26024-000				X	X							
Project Manager: Cindy Crain				City, State, Zip: Houston, TX 77079															
Address: 2925 E. 17th St.				Phone: (832) 219-3989															
City, State, Zip: Odessa, TX 79761				Email: AP@faenergyus.com															
Phone: (575) 441-7244				Miscellaneous:															
Email: cindy.crain@gmail.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	TPH by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BDOC - NM	BDOC - TX	SDWA	CWA	RCRA		
																Compliance	Y	or	N
																PWSID #			
																Sample Temp			Remarks
0920	6/24/2026	S	1	S-21		11	X			X						2.3			
0924	6/24/2026	S	1	S-22		12	X			X						2.4			
0928	6/24/2026	S	1	S-23		13	X			X						3.1			
0932	6/24/2026	S	1	S-24		14	X			X						3.0			
0936	6/24/2026	S	1	S-25		15	X			X						2.8			
0940	6/24/2026	S	1	S-26		16	X			X						2.6			
0944	6/24/2026	S	1	S-27		17	X			X						3.0			
0948	6/24/2026	S	1	S-28		18	X			X						2.3			
0952	6/24/2026	S	1	S-29		19	X			X						2.7			
1000	6/24/2026	S	1	S-30		20	X			X						2.5			
Additional Instructions:																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Cindy Crain																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: ☒ Y ☐ N													
Michelle Gonzalez	6-25-26	1300	Michelle Gonzalez	6-25-26	1300														
Michelle Gonzalez	6-25-26	1515	Marissa Gonzalez	6-25-26	1515														
Marissa Gonzalez	6-25-26	1945	Johnny Archuleta	6-25-26	1945														
Johnny Archuleta	6-25-26	2345	Na Sato	6-26-26	0630														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

Printed: 6/26/2026 9:36:02AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Crain Environmental	Date Received:	06/26/26 06:30	Work Order ID:	E606257
Phone:	(57) 544-7244	Date Logged In:	06/25/26 15:39	Logged In By:	Caitlin Mars
Email:	cindy.crain@gmail.com	Due Date:	07/02/26 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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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 618061

QUESTIONS

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 618061
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2410851745
Incident Name	NAPP2410851745 C E LAMUNYON #023 @ 30-025-22402
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-22402] C E LAMUNYON #023

Location of Release Source*Please answer all the questions in this group.*

Site Name	C E LAMUNYON #023
Date Release Discovered	04/16/2024
Surface Owner	Private

Incident Details*Please answer all the questions in this group.*

Incident Type	Produced Water 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	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Well Produced Water Released: 70 BBL Recovered: 60 BBL Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 618061

QUESTIONS (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 618061
	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.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Cindy Crain Email: cindy.crain@gmail.com Date: 08/26/2026
--	---

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QUESTIONS, Page 3

Action 618061

QUESTIONS (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 618061
	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 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
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)	Greater than 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	Greater than 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	Greater than 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)	30900
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	04/14/2025
On what date will (or did) the final sampling or liner inspection occur	06/24/2026
On what date will (or was) the remediation complete(d)	10/31/2026
What is the estimated surface area (in square feet) that will be reclaimed	81480
What is the estimated volume (in cubic yards) that will be reclaimed	9680
What is the estimated surface area (in square feet) that will be remediated	81480
What is the estimated volume (in cubic yards) that will be remediated	9680
<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 618061

QUESTIONS (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 618061
	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: 08/26/2026
<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 618061

QUESTIONS (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 618061
	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 618061

QUESTIONS (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 618061
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	596718
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/24/2026
What was the (estimated) number of samples that were to be gathered	100
What was the sampling surface area in square feet	80000

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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State of New Mexico
Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

CONDITIONS

Action 618061

CONDITIONS

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID: 329326
	Action Number: 618061
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The remediation work plan is approved to include the following conditions of approval: 1. The alternative sampling plan to collect 5-pt confirmation samples every 400 sq. ft on the base of the excavation is approved, but MUST be sampled and lab analyzed for all constituents in Table 1 of 19.15.29 NMAC. 2. Based on the following language from FAE II included in the work plan, "excavation will continue until chloride concentrations are reported below the Closure Criteria and any remnants of TPH or BTEX constituents will be excavated and disposed in the process" it is uncertain what remnants for BTEX and/or TPH remain; therefore the variance request to only sample and lab analyze for chloride is denied. Lastly, because the depth of full contamination has not been vertically achieved, particularly for chloride, every 30 feet for sampling sidewalls is not approved at this time as full vertical contamination is not known. 3 Collect discrete grab samples from any wet or discolored areas.	8/31/2026
michael.buchanan	Please note that alternative sampling plans are separate from variance requests. A sampling plan may be proposed by Subparagraph (b) of Subsection D of 19.15.29.12 NMAC	8/31/2026