# **Released Volume Calculation**

# Incident #nAPP2411049662

Length 43 feet

Width 45 feet

Thickness 0.5 in

968 gal = 23 Est. Total Bbls Released

Volume = L\*W\*T

Total Released Volume = 968 gallons (US, dry)

23 Bbls

# **Total Released Volume Calculation**

Length 478 feet

Width 248 feet

Thickness 0.5 in

59,272 gal = 1,411 Est. Total Bbls Released

Volume = L\*W\*T

Total Released Volume = 59,272 gallons (US, dry)

14,111 Bbls



# Site Characterization Report and Remediation Workplan

March 17, 2025

Lamunyon #022 Produced Water Release Incident No. nAPP2411049662 Lea County, New Mexico

# **Prepared For:**

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

# Prepared By:

Crain Environmental 2925 East 17<sup>th</sup> Street Odessa, Texas 79761

Cynthia K. Crain, P.G



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# **APPENDICES**

Appendix A – NMOCD Correspondence

Appendix B – NMOSE Point of Diversion Summaries

Appendix C – Laboratory Reports and Chain-of-Custody Documentation

Appendix D – Photographic Documentation



#### 1.0 Introduction

Crain Environmental (CE), on behalf of FAE II Operating, LLC (FAE), has prepared this *Site Characterization Report and Remediation Workplan* for the produced water release at Lamunyon #022 (Site), located approximately 10 miles southeast of Eunice, in Lea County, New Mexico. The global positioning system (GPS) coordinates for the release are 32.28442, -103.1699982. 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 18, 2024, a release from the well at the Lamunyon #022 was discovered. As a result, approximately 23 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. Approximately 20 bbls of fluid were recovered. The released fluid covered a surface area of approximately 1,935 square feet but was comingled with a historical release(s). The combined surface area of affected soil covered approximately 142,500 square feet. The release point and the surface extent of the release(s) are depicted on Figure 2.

A Notification of Release (NOR) was submitted to the New Mexico Oil Conservation Division (NMOCD) on April 19, 2024, and Incident #nAPP2411049662 was assigned.

On October 3, 2024, the NMOCD denied a request for extension on the date to submit a Site Characterization Report and Remediation Workplan (Workplan). Appendix B provides a copy of NMOCD correspondence. This *Site Characterization Report and Remediation Workplan* is being submitted in accordance with 19.15.29.11 New Mexico Administrative Code (NMAC).

# 3.0 NMOCD Closure Criteria

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

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



- Within 300 feet of a wetland.
- Within the area overlying a subsurface mine.
- Within an unstable area such as a karst formation.
- Within a 100-year floodplain.

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

#### 3.1 Groundwater Evaluation

A review of the New Mexico Office of the State Engineer (NMOSE) records indicated there are no water wells located within 0.5 mile of the Site (CP 00407); however, a date of installation, a well depth, and a depth to groundwater was not provided. NMOSE records indicated that three wells are located within 1 mile of the Site (CP 00407, CP 00375 POD 1, and CP 00376 POD 1); however, only well (CP 00375 POD 1) provided a well depth (160'). Wells CP 00407 and CP 00376 POD 1 did not provide a well depth, an installation date, or a depth to groundwater. A review of the United State Geological Survey (USGS) database indicated no water wells were located within 1 mile of the Site. The nearest well with a depth to groundwater provided (CP 00480 POD 1) shows a depth to groundwater of 600' when drilled in 1968.

All wells within a 1-mile radius, and well CP 00480 POD 1 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. Based on the available water well data, it is estimated that depth to groundwater at the Site is greater than 100 feet bgs.

#### **Nearby Water Wells**

Well ID	Location from Release Site	Year Installed	Use	Total Depth / Depth to Water (feet bgs)
CP 00375 POD 1	Approx. 2,715 feet to NE	Unknown	N/A	160 / Unknown
CP 00407	Approx. 2,880 feet to SW	Unknown	N/A	Unknown / Unknown
CP 00376 POD 1	Approx. 4,378 feet to SW	Unknown	N/A	Unknown / Unknown
CP 00480 POD 1	Approx. 6,378 feet to E	Unknown	N/A	6281 / 600

# 3.2 Surface Features and Other Development

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

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
  - No continuously flowing watercourses (rivers, streams, arroyos, etc.) are apparent within 300 feet of the Site in the topographic map (Figure 1).
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).



- The topographic map (Figure 1) indicates there is not a lakebed, sinkhole or playa lake located within 200 feet of the Site.
- Within 300 feet from an occupied permanent residence, school, hospital, institution or church.
  - The Site Location Map (Figure 1) and information available from the Lea County, New Mexico Central Appraisal District do not show or list any permanent residence, school, hospital, institution or church located within 300 feet of the Site.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
  - No wells or springs located within 500 feet of the Site appear in any of the NMOSE records reviewed by CE.
- Within 1,000 feet of any fresh water well or spring.
  - No freshwater wells or springs located within 1,000 feet of the Site appear in any of the records reviewed by CE.
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
  - Based on the property and other records review by CE, the Site is not located in incorporated municipal boundaries or within a defined municipal fresh water well field.
- Within the area overlying a subsurface mine.
  - Based on the property and other records reviewed by CE, the Site is not located within an area overlying a subsurface mine.

# 3.3 Wetlands, Floodplain, and Karst Geology

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

# 3.4 Closure Criteria Currently Assumed Applicable to the Site

From the surface to a depth of 4' bgs, the most stringent NMOCD Closure Criteria will apply. As depth to groundwater is assumed to be greater than 100' bgs, wells CP-00375 POD 1 and CP 00407 will be investigated to determine whether it is possible to obtain a current depth to groundwater. If the wells are not accessible, a soil boring will be installed to a depth of 105' bgs to prove whether the depth to groundwater is greater than 100' bgs. The boring will remain open for a period of at least 72 hours prior to checking for the presence of groundwater. If groundwater is not encountered, the boring will be plugged according to NMOSE specifications.

If groundwater is encountered, the current depth will be recorded, a groundwater sample will be collected for analysis of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, and xylenes (BTEX), and chlorides, and the boring will remain open until laboratory results are received. If the laboratory reports groundwater concentrations below the water quality standards, the boring will be plugged according to



NMOSE specifications. If the laboratory reports groundwater concentrations above the water quality standards, the boring will be competed as a monitor well. Approved drilling and plugging permits will be received from NMOSE prior to installation of a soil boring.

If the depth to groundwater is proven to be greater than 51' or 100' bgs, the appropriate Closure Criteria will apply to soil at depths greater than 4' bgs. A summary of the Closure Criteria is provided in the table below and in Table 1.

#### **NMOCD Closure Criteria**

		Closure Criteria	a Based on Depth to Groundwater (mg/k			
Consti	tuent of Concern	≤ 50 feet bgs	51 feet to 100 feet bgs	> 100 feet bgs		
Chlo	ride (EPA 300)	600	10,000	20,000		
TPH (EPA	GRO + DRO + MRO	100	2,500	2,500		
8015M)	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.

# 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 NMOSE records, depth to groundwater is estimated be greater than 100' bgs at the Site. The current depth to groundwater will be confirmed by either a measurement from well CP-00375-POD 1 and/or CP 00407, or by the installation of a soil boring.

# 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.

Lamunyon 22 Produced Water Release Site Characterization Report and Remediation Workplan



## 4.4 Distance to Nearest Significant Watercourse

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

#### 4.5 Initial Delineation Activities

Prior to the soil investigation, an Electromagnetic (EM) Survey was conducted by Atkins Engineering (Atkins) of Carlsbad, New Mexico. On January 16 and 17, 2025, soil samples (TH-1 through TH-18) were collected at 18 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. The laboratory report with chain-of-custody documentation is provided in Appendix C. Photographic documentation is provided in Appendix D.

Referring to Table 1, concentrations of BTEX were reported below the test method detection limits in all samples. Concentrations of TPH were reported below the test method detection limit or Closure Criteria in all samples. Chloride concentrations were reported below the Closure Criteria (assuming depth to groundwater is greater than 100' bgs) in samples from TH-1, TH-2, TH-4, and TH-15.

Upon receipt of the laboratory results, samples from TH-5 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 C. Chloride concentrations were reported below the Closure Criteria in each sample.

# 4.6 Laboratory Analytical Data Quality Assurance/Quality Control Results

Data reported in Job Numbers 880-53408-1 and 880-53648-1 generated by Eurofins, 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 C.



## 5.0 Proposed Remediation Workplan

Benzene, BTEX, and TPH concentrations were reported below the test method detection limits or Closure Criteria in all samples. Concentrations of chlorides were reported below the Closure Criteria in 3 samples, as listed on Table 1 and shown on Figure 2. The remaining sample points reported chloride concentrations above the Closure Criteria in at least one depth (dependent on actual depth to groundwater).

After determining an accurate depth to groundwater at the Site, FAE proposes to excavate all impacted soil until confirmation samples collected from the bottom and sidewalls of the excavation report chloride concentrations below the NMOCD Closure Criteria.

As initial BTEX and TPH concentrations were below the test method detection limits or Closure Criteria, FAE requests a variance that each confirmation sample will be analyzed only for chlorides (dependent on a depth to groundwater greater than 100' bgs). 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 (and dependent on a depth to groundwater greater than 100' bgs), 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.

All excavated material will be transported under manifest to an NMOCD approved disposal facility.

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 Remediation Workplan 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: Billy Moore

Forty Acres Energy, LLC

11757 Katy Freeway, Suite 725

Houston, Texas 77079

Lamunyon 22 Produced Water Release Site Characterization Report and Remediation Workplan



# **TABLE**

Received by OCD: 3/17/2025 4:04:21 PM

# TABLE 1 SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS FAE II OPERATING, LLC LAMUNYON #022 NMOCD INCIDENT # nAPP2411049662

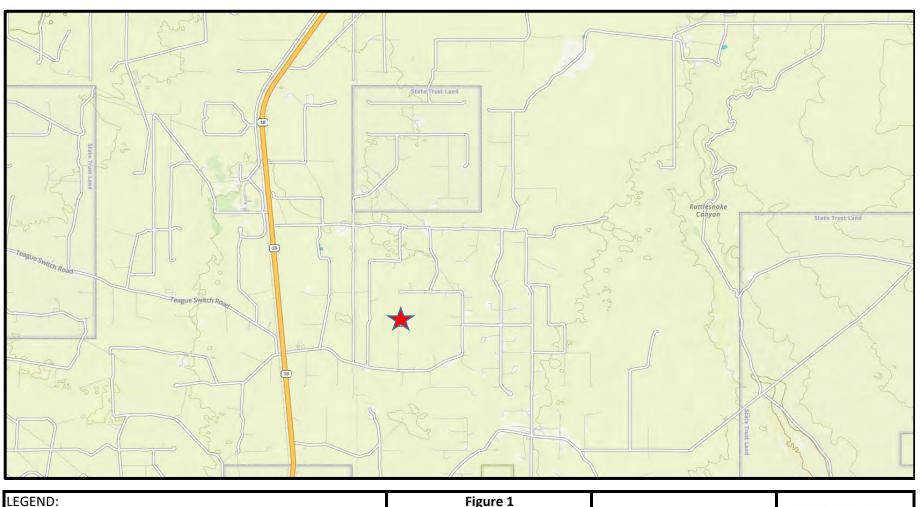
Sample ID	Sample Date	Sample Depth	Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
N	MOCD Clos	ure Criteria					100	milligrams 10	s per kilograr -	n (mg/kg) -	_	50	600
NMOC	CD Closure C	Criteria (>4' I	ogs)	GRO + DR	RO = 1,000	-	2,500	10	-	-	-	50	20,000
TH-1 (1')	01/16/25	1'	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.94
TH-1 (4.1')	01/16/25	4.1'	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	11.3
TH-2 (1')	01/16/25	1'	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	19.2
TH-2 (4.1')	01/16/25	4.1'	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	42.9
TH-3 (1')	01/16/25	1'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,940
TH-3 (4.1')	01/16/25	4.1'	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	3,670
TH-4 (1')	01/16/25	1'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	43.0
TH-4 (4.1')	01/16/25	4.1'	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,770
TH-5 (1')	01/16/25	1'	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,690
TH-5 (2')	01/16/25	2'	In Situ										<10.0
TH-5 (3') TH-5 (4.1')	01/16/25 01/16/25	3' 4.1'	In Situ In Situ	 <49.9	 <49.9	 <49.9	 <49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	23.8 46.4
TH-6 (1') TH-6 (4.1')	01/16/25 01/16/25	1' 4.1'	In Situ In Situ	<49.9 <49.8	<49.9 <49.8	<49.9 <49.8	<49.9 <49.8	<0.00199	<0.00199 <0.00200	<0.00199 <0.00200	<0.00398 <0.00399	<0.00398 <0.00399	3,690 6,750
													·
TH-7 (1') TH-7 (4.1')	01/16/25 01/16/25	1' 4.1'	In Situ In Situ	<50.0 <50.0	<50.0 <50.0	<50.0 <50.0	<50.0 <50.0	<0.00200	<0.00200 <0.00202	<0.00200 <0.00202	<0.00400 <0.00404	<0.00400 <0.00404	1,310 1,250
													·
TH-8 (1') TH-8 (4.1')	01/17/25 01/17/25	1' 4.1'	In Situ In Situ	<49.8 <49.7	<49.8 <49.7	<49.8 <49.7	<49.8 <49.7	<0.00199	<0.00199 <0.00200	<0.00199 <0.00200	<0.00398 <0.00400	<0.00398 <0.00400	322 2,120
TH-9 (1') TH-9 (4.1')	01/17/25 01/17/25	1' 4.1'	In Situ In Situ	<49.9 <b>53.3</b>	<49.9 <49.9	<49.9 <49.9	<49.9 <b>53.3</b>	<0.00200	<0.00200 <0.00199	<0.00200 <0.00199	<0.00399 <0.00398	<0.00399 <0.00398	219 1,270
													·
TH-10 (1') TH-10 (4.1')	01/17/25 01/17/25	1' 	In Situ In Situ	<49.8 <50.0	<49.8 <50.0	<49.8 <50.0	<49.8 <50.0	<0.00202	<0.00202 <0.00199	<0.00202 <0.00199	<0.00404 <0.00398	<0.00404 <0.00398	1,370 2,010
,													·
TH-11 (1') TH-11 (4.1')	01/17/25 01/17/25	1' 4.1'	In Situ In Situ	<49.8 <49.7	<49.8 <49.7	<49.8 <49.7	<49.8 <49.7	<0.00202	<0.00202 <0.00199	<0.00202 <0.00199	<0.00404 <0.00398	<0.00404 <0.00398	39.6 1,250
													·
TH-12 (1')	01/17/25 01/17/25	1' 4.1'	In Situ In Situ	<50.0 <49.8	<50.0 <49.8	<50.0 <49.8	<50.0 <49.8	<0.00201	<0.00201 <0.00199	<0.00201 <0.00199	<0.00402 <0.00398	<0.00402 <0.00398	145 16,600
TH-12 (4.1')													·
TH-13 (1') TH-13 (4.1')	01/17/25 01/17/25	1' 4.1'	In Situ In Situ	<49.9 <50.0	<49.9 <50.0	<49.9 <50.0	<49.9 <50.0	<0.00200	<0.00200 <0.00201	<0.00200 <0.00201	<0.00399 <0.00402	<0.00399 <0.00402	206 1,950
							,						·
TH-14 (1') TH-14 (4.1')	01/17/25 01/17/25	1' 4.1'	In Situ In Situ	<49.9 <49.8	<49.9 <49.8	<49.9 <49.8	<49.9 <49.8	<0.00200	<0.00200 <0.00200	<0.00200 <0.00200	<0.00400 <0.00399	<0.00400 <0.00399	10.3 4,140
													·
TH-15 (1') TH-15 (4.1')	01/17/25 01/17/25	1' 4.1'	In Situ In Situ	<49.7 <50.0	<49.7 <50.0	<49.7 <50.0	<49.7 <50.0	<0.00201	<0.00201 <0.00199	<0.00201 <0.00199	<0.00402 <0.00398	<0.00402 <0.00398	19.0 33.0
TH-16 (1') TH-16 (4.1')	01/17/25 01/17/25	1' 4.1'	In Situ In Situ	<49.9 <b>55.6 *1</b>	<49.9 <50.0	<49.9 <50.0	<49.9 <b>55.6</b>	<0.00201	<0.00201 <0.00202	<0.00201 <0.00202	<0.00402 <0.00404	<0.00402 <0.00404	33.2 1,310
TH-17 (1') TH-17 (4.1')	01/17/25 01/17/25	1' 4.1'	In Situ In Situ	<49.8 <49.7	<49.8 <49.7	<49.8 <49.7	<49.8 <49.7	<0.00200	<0.00200 <0.00200	<0.00200 <0.00200	<0.00399 <0.00400	<0.00399 <0.00400	354 3,540
													·
TH-18 (1')	01/17/25 01/17/25	1' 4.1'	In Situ In Situ	<49.8 <49.8	<49.8 <49.8	<49.8 <49.8	<49.8 <49.8	<0.00199	<0.00199 <0.00202	<0.00199 <0.00202	<0.00398 <0.00404	<0.00398 <0.00404	459 17 400
TH-18 (4.1')	01/11/20	4.1	III SILU	\43.0	\ <del>4</del> 3.0	\43.0	\ <del>4</del> 3.0	<0.00Z0Z	<u> </u>	<0.00202	<u> </u>	<u> </u>	17,400

# 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. F1: MS and/or MSD recovery exceeds control limits.
- 10.- -: No analysis was conducted for the specified constituent.

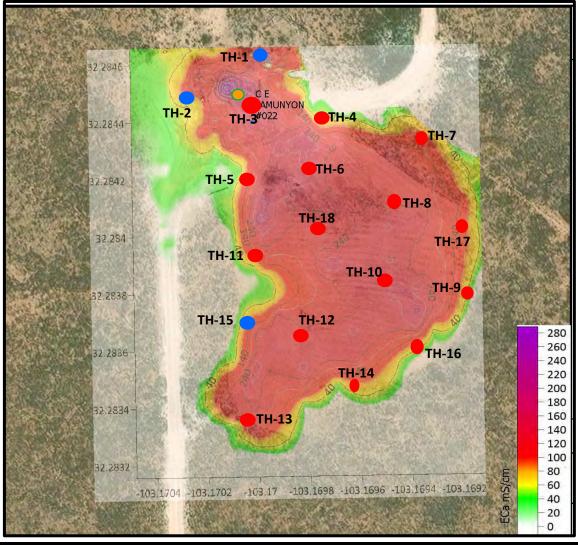


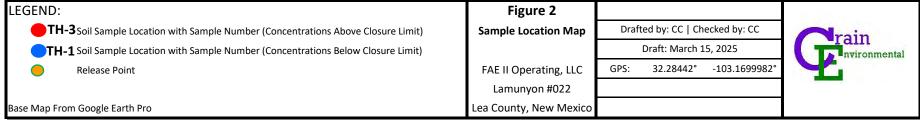
# **FIGURES**











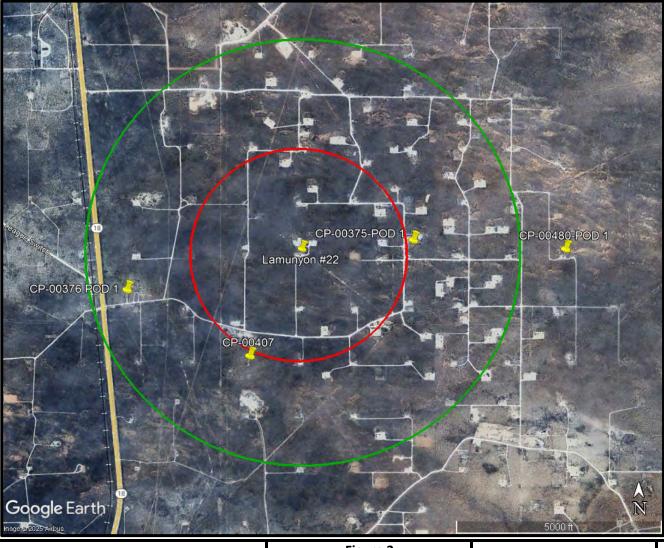


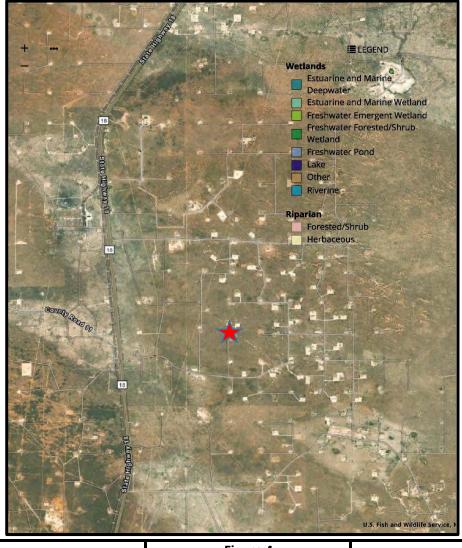


Figure 3
Wellhead Protection Area Map

FAE II Operating, LLC Lamunyon #022 Lea County, New Mexico

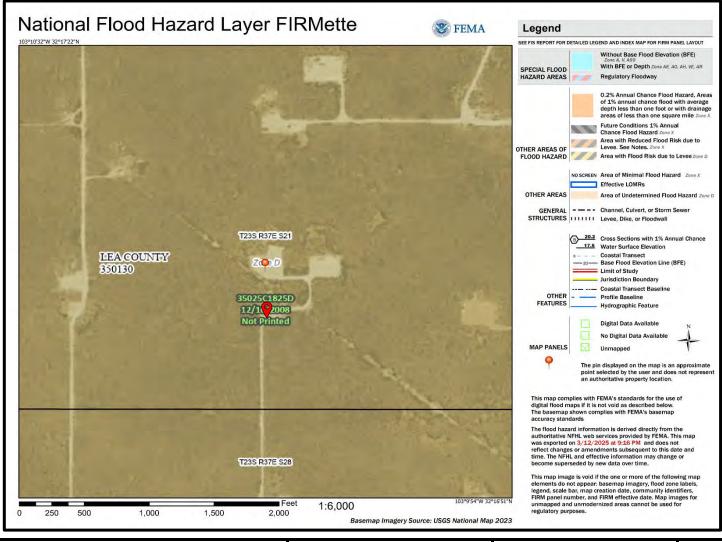


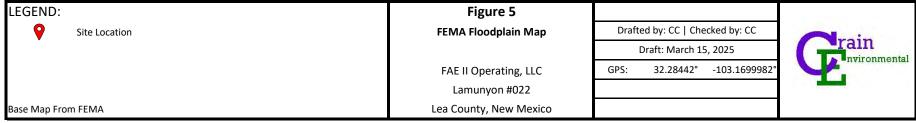
Received by OCD: 3/17/2025 4:04:21 PM

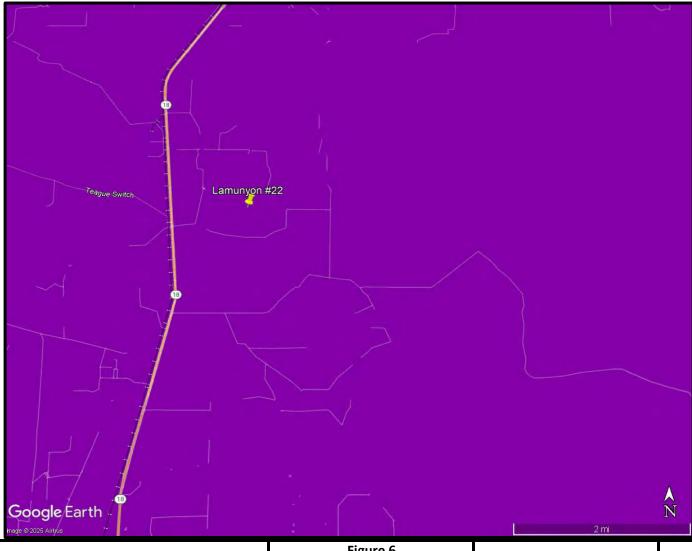


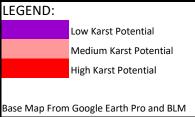












FAE II Operating, LLC
Lamunyon #022

Lea County, New Mexico

Drafted by: CC | Checked by: CC

Draft: March 15, 2025

GPS: 32.28442° -103.1699982°





**Appendix A: NMOCD Correspondence** 



Cindy Crain <cindy.crain@gmail.com>

# FW: (Extension Denied) - FAE II Operating C141 Extension Request for Incident # nAPP2411049662 (C E Lamunyon #022)

1 message

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

Wed, Dec 4, 2024 at 1:19 PM

From: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov>

**Sent:** Thursday, October 3, 2024 10:01 AM **To:** Alex Bolanos <alex@faenergyus.com>

Cc: Adam Holcomb <adam@faenergyus.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov> Subject: (Extension Denied) - FAE II Operating C141 Extension Request for Incident # nAPP2411049662 (C E Lamunyon #022)

RE: Incident #NAPP2411049662

Alex,

A remediation plan was due on 7/17/2024. Your request for extension is **denied**. An extension needs to be requested before the 90 day Remediation Deadline has expired. Include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

**Environmental Bureau** 

**EMNRD** - Oil Conservation Division

506 W. Texas Ave. | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>

**Sent:** Thursday, October 3, 2024 7:14 AM **To:** Alex Bolanos <alex@faenergyus.com>

Cc: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov>; Adam Holcomb < adam@faenergyus.com>

Subject: FAE II Operating C141 Extension Request for Incident # nAPP2411049662 (C E Lamunyon #022)

Good morning Alex,

Thank you for the correspondence.

The incident # has been assigned to Robert Hamlet. I have cc him in this email thread.

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>

Released to Imaging: 3/24/2025 11:55:50 AM

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

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

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

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

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

Thanks Nelson.

**Alex Bolanos** 

Regulatory/Production

Forty Acres Energy

(c) 836-689-3788

alex@faenergyus.com



**Appendix B: NMOSE Point of Diversion Summaries** 

quarters are 1=NW 2=NE 3=SW 4=SE NAD83 UTM in meters quarters are smallest to largest **Well Tag POD Nbr** Q64 Q16 Q4 Tws Rng Х Мар Sec 23S 671029.0 CP 00376 POD1 NW NW NE 29 37E 3573112.0 \* \* 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.

3/12/25 2:32 PM MST Point of Diversion Summary

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quarters are 1=NW 2=NE 3=SW 4=SE NAD83 UTM in meters quarters are smallest to largest **Well Tag POD Nbr** Q64 Q16 Q4 Sec Tws Rng Х Υ Мар 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.

3/12/25 2:31 PM MST Point of Diversion Summary

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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	Υ	Мар
	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:**

Тор	Bottom	Description
3861	5036	Other/Unknown

# **Casing Perforations:**

Тор	Bottom
4207	4548

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3/12/25 2:19 PM MST Point of Diversion Summary

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quarters are 1=NW 2=NE 3=SW 4=SE NAD83 UTM in meters quarters are smallest to largest **Well Tag POD Nbr** Q64 Q16 Q4 Tws Rng Х Мар Sec CP 00375 POD1 SE SE 21 23S 37E 673133.0 3573448.0 \* \* UTM location was derived from PLSS - see Help **Driller License:** UNKNOWN 122 **Driller Company: Driller Name: Drill Start Date: Drill Finish Date:** Plug Date: **PCW Rcv Date:** Shallow Log File Date: Source: **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.

3/12/25 2:24 PM MST Point of Diversion Summary

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

**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

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

Generated 1/24/2025 11:53:44 AM

# **JOB DESCRIPTION**

Lamunyon 22 Lea Co, NM

# **JOB NUMBER**

880-53408-1

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 1/24/2025 11:53:44 AM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 4

6

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10

13

14

Client: Crain Environmental
Project/Site: Lamunyon 22

Laboratory Job ID: 880-53408-1 SDG: Lea Co, NM

# **Table of Contents**

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# **Definitions/Glossary**

Client: Crain Environmental

Project/Site: Lamunyon 22

Job ID: 880-53408-1

SDG: Lea Co, NM

## **Qualifiers**

# **GC VOA**

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

**GC Semi VOA** 

\*1 LCS/LCSD RPD exceeds control limits.

S1- Surrogate recovery exceeds control limits, low biased.
U Indicates the analyte was analyzed for but not detected.

**HPLC/IC** 

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
POL Present Ougstitut

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 22

Job ID: 880-53408-1

**Eurofins Midland** Job ID: 880-53408-1

#### Job Narrative 880-53408-1

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
- 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 2:10 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.

#### **GC VOA**

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-100731 recovered under the lower control limit for Benzene, Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

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

#### **Diesel Range Organics**

Method 8015MOD\_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-100626 and analytical batch 880-100648 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: TH-16 (1') (880-53408-31), TH-16 (4.1') (880-53408-32), TH-17 (1') (880-53408-33), TH-17 (4.1') (880-53408-34) and TH-18 (1') (880-53408-35). Percent recoveries are based on the amount spiked.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: TH-3 (1') (880-53408-5), (880-53406-A-21-B MS) and (880-53406-A-21-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: TH-1 (1') (880-53408-1), TH-1 (4.1') (880-53408-2), TH-2 (1') (880-53408-3), TH-2 (4.1') (880-53408-4), TH-3 (4.1') (880-53408-6), TH-4 (1') (880-53408-7), TH-5 (1') (880-53408-9) and TH-5 (4.1') (880-53408-10). Percent recoveries are based on the amount spiked.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: TH-7 (4.1') (880-53408-14), TH-10 (4.1) (880-53408-20) and TH-15 (1) (880-53408-29). 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.

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

**Eurofins Midland** 

Matrix: Solid

Lab Sample ID: 880-53408-1

Job ID: 880-53408-1 SDG: Lea Co, NM

Client: Crain Environmental Project/Site: Lamunyon 22

Client Sample ID: TH-1 (1')

Date Collected: 01/16/25 15:55 Date Received: 01/20/25 14:10

Sample Depth: 1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 11:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 11:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 11:44	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/21/25 08:45	01/21/25 11:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 11:44	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/21/25 08:45	01/21/25 11:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				01/21/25 08:45	01/21/25 11:44	1
1,4-Difluorobenzene (Surr)	99		70 - 130				01/21/25 08:45	01/21/25 11:44	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/21/25 11:44	1
Method: SW846 8015 NM - Dies	ol Banga Organ	ice (DBO) (	GC)						
Method. 344040 0013 MM - Dies	ei Kaliye Olyali								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH			•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/22/25 21:27	Dil Fac
	<50.0	U	<b>RL</b> 50.0	MDL		<u>D</u>	Prepared		
Total TPH	<50.0	U	<b>RL</b> 50.0			<u>D</u>	Prepared Prepared		1
Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	<50.0	nics (DRO) Qualifier	RL 50.0		mg/Kg		<u> </u>	01/22/25 21:27	Dil Fac
Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0 sel Range Orga Result	nics (DRO) Qualifier	RL 50.0		mg/Kg		Prepared	01/22/25 21:27  Analyzed	Dil Fac
Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10	<50.0  sel Range Orga Result <50.0	Dinics (DRO) Qualifier U	RL     50.0		mg/Kg  Unit mg/Kg		Prepared 01/20/25 15:15	01/22/25 21:27  Analyzed  01/22/25 21:27	Dil Fac
Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0  sel Range Orga Result <50.0 <50.0	Unics (DRO) Qualifier U	RL 50.0  (GC) RL 50.0  50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:15 01/20/25 15:15	01/22/25 21:27  Analyzed  01/22/25 21:27  01/22/25 21:27	1 Dil Fac
Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<50.0  sel Range Orga Result <50.0 <50.0 <50.0	Unics (DRO) Qualifier U	RL 50.0  (GC) RL 50.0  50.0  50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:15 01/20/25 15:15 01/20/25 15:15	01/22/25 21:27  Analyzed  01/22/25 21:27  01/22/25 21:27  01/22/25 21:27	Dil Face 1 1 1 Dil Face
Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 %Recovery	Unics (DRO) Qualifier U U Qualifier	RL     50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:15 01/20/25 15:15 01/20/25 15:15 Prepared	01/22/25 21:27  Analyzed  01/22/25 21:27  01/22/25 21:27  01/22/25 21:27  Analyzed	Dil Fac
Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <66 63	U  nics (DRO) Qualifier U  U  Qualifier S1- S1-	RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:15 01/20/25 15:15 01/20/25 15:15  Prepared 01/20/25 15:15	01/22/25 21:27  Analyzed  01/22/25 21:27  01/22/25 21:27  01/22/25 21:27  Analyzed  01/22/25 21:27	Dil Fac  1  1  Dil Fac  Dil Fac
Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <66 63 n Chromatograp	U  nics (DRO) Qualifier U  U  Qualifier S1- S1-	RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits  70 - 130  70 - 130	MDL	mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:15 01/20/25 15:15 01/20/25 15:15  Prepared 01/20/25 15:15	01/22/25 21:27  Analyzed  01/22/25 21:27  01/22/25 21:27  01/22/25 21:27  Analyzed  01/22/25 21:27	Dil Fac  1  1  1  Dil Fac  1

Client Sample ID: TH-1 (4.1')

Date Collected: 01/16/25 16:10

Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 12:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 12:05	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 12:05	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/21/25 08:45	01/21/25 12:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 12:05	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/21/25 08:45	01/21/25 12:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				01/21/25 08:45	01/21/25 12:05	1

**Eurofins Midland** 

Lab Sample ID: 880-53408-2

**Matrix: Solid** 

Job ID: 880-53408-1

Matrix: Solid

Lab Sample ID: 880-53408-2

Client: Crain Environmental Project/Site: Lamunyon 22 SDG: Lea Co, NM

Client Sample ID: TH-1 (4.1')

Date Collected: 01/16/25 16:10 Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Method: SW846 8021B -	<b>Volatile Organic</b>	Compounds (	GC)	(Continued)	

Surrogate	%Recovery Quality	ifier Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	101	70 - 130	01/21/25 08:45	01/21/25 12:05	1

Method: TAI	SOP Total BTEX	- Total BTFX	Calculation
Mictilou. IAL	- OOI TOTAL DIEA	- IOIGI DIEA	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/21/25 12:05	1

Analyte	Result C	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 L	J	49.9	mg/Kg			01/22/25 21:42	1

Method: SW846 8015B NM - Diesel Range Organics	(DRO)	(GC)	١
motified. Offerto College Ithin Biodol Rungo Organico	(5.10)	, , , , ,	,

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 21:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 21:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 21:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130	01/20/25 15:15	01/22/25 21:42	1
o-Terphenyl	65	S1-	70 - 130	01/20/25 15:15	01/22/25 21:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.3	10.0	mg/Kg		_	01/22/25 22:58	1

Client Sample ID: TH-2 (1') Lab Sample ID: 880-53408-3 **Matrix: Solid** 

Date Collected: 01/16/25 16:15 Date Received: 01/20/25 14:10

Sample Depth: 1'

ı	Method: SW846 8021B	Valatila Ossasia	O = (OO)

Welliou. Syvo40 002 ID - Volat	ne Organic Comp		)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:45	01/21/25 12:25	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:45	01/21/25 12:25	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:45	01/21/25 12:25	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/21/25 08:45	01/21/25 12:25	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:45	01/21/25 12:25	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/21/25 08:45	01/21/25 12:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				01/21/25 08:45	01/21/25 12:25	1
1 4-Difluorobenzene (Surr)	99		70 130				01/21/25 08:45	01/21/25 12:25	1

Mothod: TAI	SOP Total RTFY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL Un	it 🛭	)	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00402	U	0.00402	ma	/Ka			01/21/25 12:25	1

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			01/22/25 21:56	1

Job ID: 880-53408-1

SDG: Lea Co, NM

Client Sample ID: TH-2 (1')

Date Collected: 01/16/25 16:15 Date Received: 01/20/25 14:10

Sample Depth: 1'

Lab Sample ID: 880-53408-3

Lab Sample ID: 880-53408-4

Matrix: Solid

Matrix: Solid

Method: SW846 8015B NM - Dies	•					_			B.: E
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 21:56	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 21:56	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 21:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				01/20/25 15:15	01/22/25 21:56	1
o-Terphenyl	68	S1-	70 - 130				01/20/25 15:15	01/22/25 21:56	1
-	Chromotogran	hy - Solubl	e						
Method: EPA 300.0 - Anions, Ion	Ciliomatograp	niy Colubi							
Method: EPA 300.0 - Anions, Ion Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: TH-2 (4.1')

Date Collected: 01/16/25 16:30

Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 12:46	1
Toluene	< 0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 12:46	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 12:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/21/25 08:45	01/21/25 12:46	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 12:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/21/25 08:45	01/21/25 12:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				01/21/25 08:45	01/21/25 12:46	1
1,4-Difluorobenzene (Surr)	101		70 - 130				01/21/25 08:45	01/21/25 12:46	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/21/25 12:46	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)						
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) (	GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	•	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/22/25 22:12	Dil Fac
Analyte Total TPH	Result   <50.0	Qualifier U		MDL		<u>D</u>	Prepared		
Analyte	Result <50.0	Qualifier U				D	Prepared Prepared		
Analyte Total TPH  Method: SW846 8015B NM - Die	Result <50.0	Qualifier Unics (DRO) Qualifier	RL 50.0		mg/Kg		<u> </u>	01/22/25 22:12	1
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte	Result <50.0  sel Range Orga Result	Qualifier Unics (DRO) Qualifier	RL 50.0		mg/Kg		Prepared	01/22/25 22:12  Analyzed	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0  sel Range Orga Result	Qualifier U  nics (DRO) Qualifier U	RL 50.0		mg/Kg		Prepared	01/22/25 22:12  Analyzed	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U  nics (DRO) Qualifier U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:15 01/20/25 15:15	01/22/25 22:12  Analyzed  01/22/25 22:12  01/22/25 22:12	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result sel Range Orga Result 	Qualifier U  nics (DRO) Qualifier U	RL   50.0		mg/Kg  Unit mg/Kg		Prepared 01/20/25 15:15	01/22/25 22:12  Analyzed  01/22/25 22:12	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate	Result	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	RL		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:15 01/20/25 15:15 01/20/25 15:15 Prepared	01/22/25 22:12  Analyzed  01/22/25 22:12  01/22/25 22:12  01/22/25 22:12  Analyzed	1 Dil Fac 1
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result	Qualifier U  nics (DRO) Qualifier U  U	RL 50.0  (GC)  RL 50.0  50.0  50.0		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:15 01/20/25 15:15 01/20/25 15:15	01/22/25 22:12  Analyzed  01/22/25 22:12  01/22/25 22:12  01/22/25 22:12	1 Dil Fac 1

**Eurofins Midland** 

1/24/2025

### **Client Sample Results**

Client: Crain Environmental
Project/Site: Lamunyon 22

Job ID: 880-53408-1

SDG: Lea Co, NM

Matrix: Solid

**Matrix: Solid** 

Lab Sample ID: 880-53408-4

Client Sample ID: TH-2 (4.1')

Date Collected: 01/16/25 16:30 Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Method: EPA 300.0 - Anions, Ion C	hromatograph	Method: EPA 300.0 - Anions, Ion Chromatography - Soluble											
Analyte	Result (	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac				
Chloride	42.9		9.92		mg/Kg			01/22/25 23:09	1				

Client Sample ID: TH-3 (1')

Lab Sample ID: 880-53408-5

Date Collected: 01/16/25 16:35 Date Received: 01/20/25 14:10

Sample Depth: 1'

Method: SW846 8021B - Volatile	<b>Organic Comp</b>	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 13:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 13:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 13:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/21/25 08:45	01/21/25 13:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 13:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/21/25 08:45	01/21/25 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				01/21/25 08:45	01/21/25 13:06	1
1,4-Difluorobenzene (Surr)	94		70 - 130				01/21/25 08:45	01/21/25 13:06	1
Method: SW846 8015 NM - Diese		, , ,	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/22/25 22:26	1
Method: SW846 8015B NM - Dies			• •			_			B.1. E
Analyte		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 22:26	1
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		01/20/25 15:15	01/22/25 22:26	1
C10-C28) Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 15:15	01/22/25 22:26	1
Surrogate									
	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	<del>%Recovery</del> 70	Qualifier					Prepared 01/20/25 15:15	Analyzed 01/22/25 22:26	Dil Fac

70 - 130

RL

50.2

MDL Unit

mg/Kg

67 S1-

Result Qualifier

2940

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

**Eurofins Midland** 

01/20/25 15:15

Prepared

D

01/22/25 22:26

**Analyzed** 01/22/25 23:15

Dil Fac

o-Terphenyl

Analyte

Chloride

Job ID: 880-53408-1 SDG: Lea Co, NM

Project/Site: Lamunyon 22

Date Received: 01/20/25 14:10

Client: Crain Environmental

Client Sample ID: TH-3 (4.1')
Date Collected: 01/16/25 16:50

Sample Depth: 4.1'

Lab Sample ID: 880-53408-6

. Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 13:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 13:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 13:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/21/25 08:45	01/21/25 13:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 13:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/21/25 08:45	01/21/25 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				01/21/25 08:45	01/21/25 13:27	1
1,4-Difluorobenzene (Surr)	100		70 - 130				01/21/25 08:45	01/21/25 13:27	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Allalyte									
Total BTEX  Method: SW846 8015 NM - Diese		ics (DRO) (	0.00400 GC)		mg/Kg			01/21/25 13:27	1
Total BTEX			0.00400		mg/Kg		·	01/21/25 13:27	1
Total BTEX  Method: SW846 8015 NM - Diese  Analyte	el Range Organ Result	ics (DRO) (	0.00400 GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	0.00400 GC)	MDL		<u>D</u>			Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese  Analyte	Range Organ Result <a href="#">&lt;49.9</a>	ics (DRO) ( Qualifier	0.00400  GC)  RL  49.9	MDL	Unit	<u>D</u>		Analyzed	
Total BTEX  Method: SW846 8015 NM - Diese Analyte  Total TPH	el Range Organ Result <a href="#">&lt;49.9</a> sel Range Organ	ics (DRO) ( Qualifier	0.00400  GC)  RL  49.9	MDL	Unit mg/Kg	<u>D</u>		Analyzed	
Total BTEX  Method: SW846 8015 NM - Diese Analyte  Total TPH  Method: SW846 8015B NM - Dies	el Range Organ Result <a href="#">&lt;49.9</a> sel Range Organ	Qualifier Unics (DRO) Qualifier	0.00400  GC)  RL  49.9		Unit mg/Kg		Prepared	Analyzed 01/22/25 22:40	1
Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Range Organ Result <a href="#">&lt;49.9</a> <a href="#">sel Range Organ</a> Result	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U	0.00400  GC)  RL  49.9  (GC)  RL		Unit mg/Kg		Prepared Prepared	Analyzed 01/22/25 22:40 Analyzed	Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result <a href="#">Result</a> <a href="#">Result</a> <a href="#">Result</a> <a href="#">&lt;49.9</a>	ics (DRO) ( Qualifier U  Inics (DRO) Qualifier U	0.00400  GC)  RL  49.9  (GC)  RL  49.9		Unit mg/Kg  Unit mg/Kg		Prepared  Prepared  01/20/25 15:15	Analyzed 01/22/25 22:40  Analyzed 01/22/25 22:40	Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Organ Result 49.9 sel Range Orga Result 49.9 <49.9	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U  U	0.00400  GC)  RL  49.9  (GC)  RL  49.9  49.9		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared  Prepared  01/20/25 15:15  01/20/25 15:15	Analyzed 01/22/25 22:40  Analyzed 01/22/25 22:40  01/22/25 22:40	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	sel Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9 <49.9	ics (DRO) ( Qualifier U  unics (DRO) Qualifier U  U	0.00400  GC)  RL 49.9  (GC)  RL 49.9  49.9		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared  Prepared  01/20/25 15:15  01/20/25 15:15	Analyzed 01/22/25 22:40  Analyzed 01/22/25 22:40  01/22/25 22:40  01/22/25 22:40	Dil Fac

Client Sample ID: TH-4 (1')

Date Collected: 01/16/25 16:55 Date Received: 01/20/25 14:10

Sample Depth: 1'

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 13:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 13:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 13:47	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/21/25 08:45	01/21/25 13:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 13:47	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/21/25 08:45	01/21/25 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				01/21/25 08:45	01/21/25 13:47	

RL

100

MDL Unit

mg/Kg

D

Prepared

Result Qualifier

3670

**Eurofins Midland** 

Dil Fac

**Matrix: Solid** 

Analyzed

01/22/25 23:21

Lab Sample ID: 880-53408-7

Job ID: 880-53408-1

Matrix: Solid

Client: Crain Environmental Project/Site: Lamunyon 22

SDG: Lea Co, NM

Lab Sample ID: 880-53408-7

Lab Sample ID: 880-53408-8

Matrix: Solid

Client Sample ID: TH-4 (1')

Date Collected: 01/16/25 16:55 Date Received: 01/20/25 14:10

Sample Depth: 1'

Mothod: SW846 8021B	· Volatile Organic Compounds	(GC) (Continued)
MIELITOU. SYVO40 002 ID	· Voiatile Organic Combounds	(GC) (COIIIIIIueu)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	102		70 - 130	01/21/25 08:45	01/21/25 13:47	1

Method: TAI	SOP Total BTI	FY - Total RTF)	Calculation
Mictilou. IAL	. OOI TOTAL DIE	LA - IOLAI DILA	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	)	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/21/25 13:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (0	н						
	ı	Mothod: CIMOAC OOAE NIM	Discal Bangs	Organica	(DDO)		١.
	н	MELITOU. SYVO40 OUTS INIVI-	· Diesei Kaliue	Organics	IURUI	uu	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/22/25 22:55	1

Method: SW846 8015B NM - Diesel Range Organics	(DRO)	(GC)	١
motified. Offerto College Ithin Biodol Rungo Organico	(5.10)	, , , , ,	,

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 22:55	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/20/25 15:15	01/22/25 22:55	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 15:15	01/22/25 22:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130	01/20/25 15:15	01/22/25 22:55	1
o-Terphenyl	64	S1-	70 - 130	01/20/25 15:15	01/22/25 22:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.0	9.98	mg/Kg		_	01/22/25 23:26	1

Client Sample ID: TH-4 (4.1')

Date Collected: 01/16/25 17:10

Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Method: SW846 8021B -	M-1-4!1- O	0 (00)

Method. Syvoto 002 ID - Volat	ne Organic Comp		,						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 14:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 14:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 14:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/21/25 08:45	01/21/25 14:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 14:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/21/25 08:45	01/21/25 14:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				01/21/25 08:45	01/21/25 14:07	1
1 4-Difluorobenzene (Surr)	97		70 130				01/21/25 08:45	01/21/25 14:07	1

Mothod: TAI	SOP Total RTFY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	)	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	U	0.00399		mg/Kg				01/21/25 14:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC
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Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/22/25 23:09	1

Job ID: 880-53408-1 SDG: Lea Co, NM

Project/Site: Lamunyon 22 Client Sample ID: TH-4 (4.1')

2770

Lab Sample ID: 880-53408-8

mg/Kg

Date Collected: 01/16/25 17:10 Matrix: Solid Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Client: Crain Environmental

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 23:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/25 15:15	01/22/25 23:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 15:15	01/22/25 23:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				01/20/25 15:15	01/22/25 23:09	1
o-Terphenyl	70		70 - 130				01/20/25 15:15	01/22/25 23:09	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: TH-5 (1') Lab Sample ID: 880-53408-9 **Matrix: Solid** 

50.0

Date Collected: 01/16/25 17:15

Date Received: 01/20/25 14:10

Sample Depth: 1'

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:45	01/21/25 14:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:45	01/21/25 14:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:45	01/21/25 14:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/21/25 08:45	01/21/25 14:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:45	01/21/25 14:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/21/25 08:45	01/21/25 14:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				01/21/25 08:45	01/21/25 14:28	1
1,4-Difluorobenzene (Surr)	101		70 - 130				01/21/25 08:45	01/21/25 14:28	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/21/25 14:28	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (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 23:25	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (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 23:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 23:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 15:15	01/22/25 23:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				01/20/25 15:15	01/22/25 23:25	1

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01/22/25 23:43

## **Client Sample Results**

Client: Crain Environmental Job ID: 880-53408-1 Project/Site: Lamunyon 22 SDG: Lea Co, NM

Client Sample ID: TH-5 (1') Lab Sample ID: 880-53408-9 Date Collected: 01/16/25 17:15

Matrix: Solid

Sample Depth: 1'

Date Received: 01/20/25 14:10

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	1690	49.9	mg/Kg			01/22/25 23:49	5

Client Sample ID: TH-5 (4.1') Lab Sample ID: 880-53408-10

Date Collected: 01/16/25 17:30 Date Received: 01/20/25 14:10

**Matrix: Solid** 

Sample Depth: 4.1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 14:48	
Toluene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 14:48	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 14:48	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/21/25 08:45	01/21/25 14:48	
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 14:48	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/21/25 08:45	01/21/25 14:48	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	123		70 - 130				01/21/25 08:45	01/21/25 14:48	
1,4-Difluorobenzene (Surr)	102		70 - 130				01/21/25 08:45	01/21/25 14:48	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/21/25 14:48	
Method: SW846 8015 NM - Diese	al Pango Organ	ics (DRO) ((	GC)						
Analyte		, , ,	<b>30</b> )						
, j. co	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9		RL 49.9	MDL	mg/Kg	<u>D</u>	Prepared	Analyzed 01/22/25 23:39	Dil Fac
Total TPH	<49.9	U	49.9	MDL		<u>D</u>	Prepared		
Total TPH  Method: SW846 8015B NM - Dies	<49.9	U	49.9			<u>D</u> 	Prepared Prepared		
Total TPH  Method: SW846 8015B NM - Dies  Analyte  Gasoline Range Organics	<49.9	nics (DRO) Qualifier	49.9 (GC)		mg/Kg			01/22/25 23:39	Dil Fac
Total TPH  Method: SW846 8015B NM - Dies Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.9 sel Range Orga Result	Unics (DRO) Qualifier	49.9 (GC) RL		mg/Kg		Prepared	01/22/25 23:39  Analyzed	Dil Fa
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	<49.9 sel Range Orga Result <49.9	Unics (DRO) Qualifier U	(GC) RL 49.9		mg/Kg  Unit mg/Kg		Prepared 01/20/25 15:15	01/22/25 23:39  Analyzed  01/22/25 23:39	Dil Fa
Total TPH  Method: SW846 8015B NM - Dies Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9 sel Range Orga Result <49.9 <49.9	Unics (DRO) Qualifier U	(GC) RL 49.9 49.9		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:15 01/20/25 15:15	01/22/25 23:39  Analyzed  01/22/25 23:39  01/22/25 23:39	
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<49.9 sel Range Orga Result <49.9 <49.9	U nics (DRO) Qualifier U U Qualifier	49.9 (GC) RL 49.9 49.9 49.9		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:15 01/20/25 15:15 01/20/25 15:15	01/22/25 23:39  Analyzed 01/22/25 23:39  01/22/25 23:39  01/22/25 23:39	Dil Fa

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Analyzed 01/23/25 00:06

RL

9.96

MDL Unit

mg/Kg

D

Prepared

Result Qualifier

46.4

Dil Fac

Analyte

Chloride

Matrix: Solid

Lab Sample ID: 880-53408-11

Client: Crain Environmental Job ID: 880-53408-1 Project/Site: Lamunyon 22 SDG: Lea Co, NM

Client Sample ID: TH-6 (1')

Date Collected: 01/16/25 17:35 Date Received: 01/20/25 14:10

Sample Depth: 1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 18:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 18:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 18:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/21/25 08:45	01/21/25 18:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 18:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/21/25 08:45	01/21/25 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				01/21/25 08:45	01/21/25 18:40	1
1,4-Difluorobenzene (Surr)	106		70 - 130				01/21/25 08:45	01/21/25 18:40	1
Method: TAL SOP Total BTEX - T	Total BTEX Cald	culation							
						_		A	Dil Fac
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Analyte Total BTEX	<0.00398		0.00398	MDL	mg/Kg	U	Prepared	01/21/25 18:40	1
	<0.00398	U	0.00398	MDL		<u> </u>	Prepared		
Total BTEX	<0.00398 el Range Organ Result	ics (DRO) ( Qualifier	0.00398	MDL	mg/Kg	D	Prepared		
Total BTEX  Method: SW846 8015 NM - Diese	<0.00398	ics (DRO) ( Qualifier	0.00398 GC)		mg/Kg			01/21/25 18:40	1
Total BTEX  Method: SW846 8015 NM - Diese Analyte	<0.00398 el Range Organ Result <49.9	ics (DRO) (Gualifier	0.00398  GC)  RL  49.9		mg/Kg			01/21/25 18:40 Analyzed	1 Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese Analyte  Total TPH	<0.00398 el Range Organ Result <a href="#">&lt;49.9</a> sel Range Orga	ics (DRO) (Gualifier	0.00398  GC)  RL  49.9		mg/Kg  Unit mg/Kg			01/21/25 18:40 Analyzed	1 Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	<0.00398 el Range Organ Result <a href="#">&lt;49.9</a> sel Range Orga	ics (DRO) (Qualifier Unics (DRO) Qualifier	0.00398  GC)  RL 49.9  (GC)	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared	01/21/25 18:40  Analyzed  01/23/25 18:46	Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00398 el Range Organ Result <a href="#">&lt;49.9</a> sel Range Orga Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	0.00398  GC)  RL  49.9  (GC)  RL	MDL	mg/Kg  Unit mg/Kg  Unit	<u>D</u>	Prepared Prepared	01/21/25 18:40  Analyzed  01/23/25 18:46  Analyzed	Dil Fac Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00398 el Range Organ Result <p>49.9 sel Range Orga Result  449.9</p>	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	0.00398  GC)  RL 49.9  (GC)  RL 49.9  49.9	MDL	mg/Kg  Unit mg/Kg  Unit mg/Kg  mg/Kg	<u>D</u>	Prepared  01/20/25 15:20  01/20/25 15:20	Analyzed 01/23/25 18:46  Analyzed 01/23/25 18:46  01/23/25 18:46	Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00398 el Range Organ Result <p>&lt;49.9</p> Sel Range Orga Result  <49.9	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	0.00398  GC)  RL 49.9  (GC)  RL 49.9	MDL	mg/Kg  Unit mg/Kg  Unit mg/Kg	<u>D</u>	Prepared  01/20/25 15:20	01/21/25 18:40  Analyzed 01/23/25 18:46  Analyzed 01/23/25 18:46	Dil Fac  Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00398 el Range Organ Result <p>49.9 sel Range Orga Result  449.9</p>	ics (DRO) (Qualifier U  nics (DRO) Qualifier U  U  U  U	0.00398  GC)  RL 49.9  (GC)  RL 49.9  49.9	MDL	mg/Kg  Unit mg/Kg  Unit mg/Kg  mg/Kg	<u>D</u>	Prepared  01/20/25 15:20  01/20/25 15:20	Analyzed 01/23/25 18:46  Analyzed 01/23/25 18:46  01/23/25 18:46	Dil Fac
Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<0.00398 el Range Organ Result <p>49.9 sel Range Orga Result  49.9 49.9 &lt;49.9</p>	ics (DRO) (Qualifier U  nics (DRO) Qualifier U  U  U  U	0.00398  RL 49.9  (GC) RL 49.9  49.9	MDL	mg/Kg  Unit mg/Kg  Unit mg/Kg  mg/Kg	<u>D</u>	Prepared  01/20/25 15:20  01/20/25 15:20  01/20/25 15:20	Analyzed 01/23/25 18:46  Analyzed 01/23/25 18:46  01/23/25 18:46 01/23/25 18:46	Dil Fac  Dil Fac  1

Client Sample ID: TH-6 (4.1')

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

3690

Date Collected: 01/16/25 17:50

Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 19:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 19:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 19:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/21/25 08:45	01/21/25 19:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 19:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/21/25 08:45	01/21/25 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				01/21/25 08:45	01/21/25 19:00	1

RL

100

MDL Unit

mg/Kg

D

Prepared

**Eurofins Midland** 

Dil Fac

**Matrix: Solid** 

Analyzed

01/23/25 00:12

Lab Sample ID: 880-53408-12

Job ID: 880-53408-1 SDG: Lea Co, NM

Client: Crain Environmental
Project/Site: Lamunyon 22

Client Sample ID: TH-6 (4.1')

Lab Samp

Lab Sample ID: 880-53408-12

Date Collected: 01/16/25 17:50 Date Received: 01/20/25 14:10 Matrix: Solid

Sample Depth: 4.1'

(GC) (Continued)

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	105	70 - 130	01/21/25 08:45	01/21/25 19:00	1

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

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399 U	0.00399	ma/Ka			01/21/25 19:00	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	ma/Ka			01/23/25 19:31	1

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

		,	· ,						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/20/25 15:20	01/23/25 19:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/20/25 15:20	01/23/25 19:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 15:20	01/23/25 19:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75	70 - 130	01/20/25 15:20	01/23/25 19:31	1
o-Terphenyl	72	70 - 130	01/20/25 15:20	01/23/25 19:31	1

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

Analyte		Qualifier R	L MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6750	99.	4	mg/Kg			01/23/25 00:18	10

Client Sample ID: TH-7 (1')

Lab Sample ID: 880-53408-13

Date Collected: 01/16/25 17:55 Date Received: 01/20/25 14:10

Sample Depth: 1'

Mothodi CIMOAC 0004D	Valatila Organia Campaunda //	CCI

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 19:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 19:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 19:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/21/25 08:45	01/21/25 19:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 19:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/21/25 08:45	01/21/25 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				01/21/25 08:45	01/21/25 19:20	1
1,4-Difluorobenzene (Surr)	104		70 - 130				01/21/25 08:45	01/21/25 19:20	1

Mothod: TAI	SOP Total RTFY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00400	U	0.00400		ma/Ka			01/21/25 19:20	1	

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/23/25 19:45	1

**Eurofins Midland** 

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**Matrix: Solid** 

Job ID: 880-53408-1 SDG: Lea Co, NM

Project/Site: Lamunyon 22

Client: Crain Environmental

Client Sample ID: TH-7 (1') Lab Sample ID: 880-53408-13 Date Collected: 01/16/25 17:55 Matrix: Solid

Date Received: 01/20/25 14:10

Sample Depth: 1'

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 15:20	01/23/25 19:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/25 15:20	01/23/25 19:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 15:20	01/23/25 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				01/20/25 15:20	01/23/25 19:45	1
o-Terphenyl	71		70 - 130				01/20/25 15:20	01/23/25 19:45	1

Client Sample ID: TH-7 (4.1') Lab Sample ID: 880-53408-14 Date Collected: 01/16/25 18:10 Matrix: Solid

50.2

mg/Kg

1310

Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 19:41	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 19:41	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 19:41	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/21/25 08:45	01/21/25 19:41	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 19:41	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/21/25 08:45	01/21/25 19:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				01/21/25 08:45	01/21/25 19:41	1
1,4-Difluorobenzene (Surr)	107		70 - 130				01/21/25 08:45	01/21/25 19:41	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/21/25 19:41	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/23/25 20:00	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (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 15:20	01/23/25 20:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/25 15:20	01/23/25 20:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 15:20	01/23/25 20:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				01/20/25 15:20	01/23/25 20:00	1

**Eurofins Midland** 

01/23/25 00:24

SDG: Lea Co, NM

### **Client Sample Results**

Client: Crain Environmental Job ID: 880-53408-1 Project/Site: Lamunyon 22

Client Sample ID: TH-7 (4.1') Lab Sample ID: 880-53408-14

Date Collected: 01/16/25 18:10 Matrix: Solid Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Method: EPA 300.0 - Anions, Ion Ch	romatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1250		50.5		mg/Kg			01/23/25 00:29	5

Client Sample ID: TH-8 (1') Lab Sample ID: 880-53408-15 **Matrix: Solid** 

Date Collected: 01/17/25 09:25 Date Received: 01/20/25 14:10

Sample Depth: 1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 20:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 20:01	•
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 20:01	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/21/25 08:45	01/21/25 20:01	,
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 20:01	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/21/25 08:45	01/21/25 20:01	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	88		70 - 130				01/21/25 08:45	01/21/25 20:01	
1,4-Difluorobenzene (Surr)	104		70 - 130				01/21/25 08:45	01/21/25 20:01	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398		0.00398		mg/Kg			01/21/25 20:01	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Analyte Total TPH	Result   <49.8		•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/23/25 20:13	
Total TPH	<49.8	U	RL 49.8	MDL		<u>D</u>	Prepared		
<del>-</del>	<49.8 sel Range Orga	U	RL 49.8	MDL		D	Prepared Prepared		
Total TPH  Method: SW846 8015B NM - Dies Analyte  Gasoline Range Organics	<49.8 sel Range Orga	nics (DRO) Qualifier	RL 49.8		mg/Kg			01/23/25 20:13	Dil Fa
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.8 sel Range Orga Result	Unics (DRO) Qualifier	RL 49.8 (GC)		mg/Kg		Prepared	01/23/25 20:13  Analyzed	Dil Fa
Total TPH  Method: SW846 8015B NM - Dies Analyte  Gasoline Range Organics (GRO)-C6-C10	<49.8 sel Range Orga Result <49.8	Unics (DRO) Qualifier U	RL 49.8  (GC) RL 49.8		mg/Kg  Unit mg/Kg		Prepared 01/20/25 15:20	01/23/25 20:13  Analyzed  01/23/25 20:13	Dil Fa
Total TPH  Method: SW846 8015B NM - Dies Analyte  Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.8 sel Range Orga Result <49.8 <49.8	Unics (DRO) Qualifier U	RL 49.8  (GC) RL 49.8  49.8		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:20 01/20/25 15:20	01/23/25 20:13  Analyzed  01/23/25 20:13  01/23/25 20:13	Dil Fa
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<49.8 sel Range Orga Result <49.8 <49.8 <49.8	Unics (DRO) Qualifier U	RL 49.8  (GC) RL 49.8  49.8  49.8		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:20 01/20/25 15:20 01/20/25 15:20	01/23/25 20:13  Analyzed 01/23/25 20:13  01/23/25 20:13  01/23/25 20:13	Dil Fa
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate	<49.8 sel Range Orga Result <49.8 <49.8 <49.8 %Recovery	Unics (DRO) Qualifier U	RL 49.8  (GC) RL 49.8 49.8 49.8 Limits		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:20 01/20/25 15:20 01/20/25 15:20 Prepared	01/23/25 20:13  Analyzed 01/23/25 20:13  01/23/25 20:13  01/23/25 20:13  Analyzed	Dil Fa
Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	<49.8 sel Range Orga Result <49.8 <49.8 <49.8 %Recovery 78 75	U nics (DRO) Qualifier U U Qualifier	RL 49.8  (GC)  RL 49.8  49.8  49.8  49.8  Limits  70 - 130  70 - 130		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:20 01/20/25 15:20 01/20/25 15:20  Prepared 01/20/25 15:20	01/23/25 20:13  Analyzed 01/23/25 20:13  01/23/25 20:13  01/23/25 20:13  Analyzed 01/23/25 20:13	Dil Fac
Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	<49.8 sel Range Orga Result <49.8 <49.8 <49.8 %Recovery 78 75 Chromatograp	U nics (DRO) Qualifier U U Qualifier	RL 49.8  (GC)  RL 49.8  49.8  49.8  49.8  Limits  70 - 130  70 - 130	MDL	mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:20 01/20/25 15:20 01/20/25 15:20  Prepared 01/20/25 15:20	01/23/25 20:13  Analyzed 01/23/25 20:13  01/23/25 20:13  01/23/25 20:13  Analyzed 01/23/25 20:13	Dil Fa

Matrix: Solid

Lab Sample ID: 880-53408-16

Job ID: 880-53408-1 SDG: Lea Co, NM

Client Sample ID: TH-8 (4.1')

Date Collected: 01/17/25 09:35 Date Received: 01/20/25 14:10

Client: Crain Environmental

Project/Site: Lamunyon 22

Sample Depth: 4.1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 20:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 20:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 20:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/21/25 08:45	01/21/25 20:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 20:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/21/25 08:45	01/21/25 20:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				01/21/25 08:45	01/21/25 20:22	1
1,4-Difluorobenzene (Surr)	107		70 - 130				01/21/25 08:45	01/21/25 20:22	1
Method: TAL SOP Total BTEX - Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	
		Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/21/25 20:22	Dil Fac
Analyte Total BTEX	Result   <0.00400	<b>Qualifier</b> U	0.00400	MDL		<u>D</u>	Prepared		
Analyte Total BTEX  Method: SW846 8015 NM - Diese	Result <0.00400	Qualifier U	0.00400 GC)		mg/Kg			01/21/25 20:22	
Analyte Total BTEX	Result <0.00400	Qualifier U ics (DRO) ( Qualifier	0.00400			<u>D</u>	Prepared Prepared		
Analyte Total BTEX  Method: SW846 8015 NM - Diese Analyte	Result <0.00400 el Range Organ Result <49.7	Qualifier U ics (DRO) ( Qualifier U	0.00400  GC)  RL  49.7		mg/Kg			01/21/25 20:22  Analyzed	1
Analyte Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH	Result <0.00400 el Range Organ Result <49.7 sel Range Orga	Qualifier U ics (DRO) ( Qualifier U	0.00400  GC)  RL  49.7		mg/Kg  Unit mg/Kg			01/21/25 20:22  Analyzed	1
Analyte Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Die	Result <0.00400 el Range Organ Result <49.7 sel Range Orga	Qualifier U ics (DRO) ( Qualifier U inics (DRO) Qualifier	0.00400  GC)  RL  49.7	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared	01/21/25 20:22  Analyzed  01/23/25 20:29	Dil Fac
Analyte Total BTEX  Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	el Range Organ Result <49.7  sel Range Orga Result Result Result Result Result Result	Qualifier U ics (DRO) ( Qualifier U unics (DRO) Qualifier U	0.00400  GC)  RL  49.7  (GC)  RL	MDL	mg/Kg  Unit mg/Kg  Unit	<u>D</u>	Prepared Prepared	01/21/25 20:22  Analyzed  01/23/25 20:29  Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Pre	eparea	Anaiyzea	DII Fac
1-Chlorooctane	86		70 - 130	01/20/	/25 15:20	01/23/25 20:29	1
o-Terphenyl	83		70 - 130	01/20/	⁄25 15:20	01/23/25 20:29	1
Method: EPA 300.0 - Anions, Ion C	hromatograpl	hy - Soluble					

Analyte Result Qualifier

RL MDL Unit D Prepared Analyzed Dil Fac 101 01/23/25 00:41 Chloride 2120 mg/Kg

Date Collected: 01/17/25 09:45 Date Received: 01/20/25 14:10

Client Sample ID: TH-9 (1')

Sample Depth: 1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 20:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 20:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 20:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/21/25 08:45	01/21/25 20:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 20:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/21/25 08:45	01/21/25 20:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				01/21/25 08:45	01/21/25 20:42	1

**Eurofins Midland** 

Lab Sample ID: 880-53408-17

**Matrix: Solid** 

Job ID: 880-53408-1

SDG: Lea Co, NM

Project/Site: Lamunyon 22

Client: Crain Environmental

Client Sample ID: TH-9 (1') Date Collected: 01/17/25 09:45

Lab Sample ID: 880-53408-17 Matrix: Solid

Lab Sample ID: 880-53408-18

**Matrix: Solid** 

Date Received: 01/20/25 14:10 Sample Depth: 1'

Surrogate	%Recovery Qu	Qualifier Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	107	70 - 130	01/21/25 08:45	01/21/25 20:42	1

Method: TA	L SOP Total BTE	X - Total BTF)	Calculation

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399 U	0.00399	mg/Kg			01/21/25 20:42	1

Mathada OMO40 0045 NM Disaal Damas Omasica (DDO) (OO	Α.
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC	. 1

Analyte		ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	49.9		ma/Ka			01/23/25 20:43	1

Method: SW846 8015B	NM - Diesel Rand	ge Organics	(DRO)	(GC)
Michiga. Offord out ob	ININ - Diesel Itali	ge Organics	(DitO)	(00)

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 15:20	01/23/25 20:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/25 15:20	01/23/25 20:43	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 15:20	01/23/25 20:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76	70 - 130	01/20/25 15:20	01/23/25 20:43	1
o-Terphenyl	72	70 - 130	01/20/25 15:20	01/23/25 20:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	)	Prepared	Analyzed	Dil Fac
Chloride	219		10.1		mg/Kg			01/22/25 20:27	1

Client Sample ID: TH-9 (4.1')

Date Collected: 01/17/25 10:00

Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Method: SW846 8021B -	M-1-4!1- O	0 (00)

Method. Syvoto ouz 1D - Volat	ne Organic Comp		,						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 21:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 21:03	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 21:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/21/25 08:45	01/21/25 21:03	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 21:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/21/25 08:45	01/21/25 21:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				01/21/25 08:45	01/21/25 21:03	1
1 4-Difluorobenzene (Surr)	106		70 130				01/21/25 08:45	01/21/25 21:03	1

Mothod: TAI	SOP Total RTFY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/21/25 21:03	1

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	53.3		49.9	mg/Kg			01/23/25 20:58	1

Client: Crain Environmental Job ID: 880-53408-1 Project/Site: Lamunyon 22 SDG: Lea Co, NM

Client Sample ID: TH-9 (4.1') Lab Sample ID: 880-53408-18

Date Collected: 01/17/25 10:00 Matrix: Solid Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	53.3		49.9		mg/Kg		01/20/25 15:20	01/23/25 20:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/25 15:20	01/23/25 20:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 15:20	01/23/25 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				01/20/25 15:20	01/23/25 20:58	1
o-Terphenyl	72		70 - 130				01/20/25 15:20	01/23/25 20:58	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: TH-10 (1') Lab Sample ID: 880-53408-19 Matrix: Solid

Date Collected: 01/17/25 10:05 Date Received: 01/20/25 14:10

Sample Depth: 1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 21:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 21:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 21:24	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/21/25 08:45	01/21/25 21:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:45	01/21/25 21:24	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/21/25 08:45	01/21/25 21:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				01/21/25 08:45	01/21/25 21:24	1
1,4-Difluorobenzene (Surr)	108		70 - 130				01/21/25 08:45	01/21/25 21:24	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/21/25 21:24	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/23/25 21:12	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (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 15:20	01/23/25 21:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/20/25 15:20	01/23/25 21:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 15:20	01/23/25 21:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				01/20/25 15:20	01/23/25 21:12	1
o-Terphenyl	71		70 <sub>-</sub> 130				01/20/25 15:20	01/23/25 21:12	1

Job ID: 880-53408-1

SDG: Lea Co, NM

Client Sample ID: TH-10 (1')

Date Collected: 01/17/25 10:05 Date Received: 01/20/25 14:10

Sample Depth: 1'

Lab Sample ID: 880-53408-19

Matrix: Solid

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1370		50.4		mg/Kg			01/22/25 20:51	5

Lab Sample ID: 880-53408-20 Client Sample ID: TH-10 (4.1') Matrix: Solid

Date Collected: 01/17/25 10:20 Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 21:44	1
Toluene	< 0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 21:44	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 21:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/21/25 08:45	01/21/25 21:44	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		01/21/25 08:45	01/21/25 21:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/21/25 08:45	01/21/25 21:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				01/21/25 08:45	01/21/25 21:44	1
1,4-Difluorobenzene (Surr)	108		70 - 130				01/21/25 08:45	01/21/25 21:44	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/21/25 21:44	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/23/25 21:27	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (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 15:20	01/23/25 21:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/25 15:20	01/23/25 21:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 15:20	01/23/25 21:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				01/20/25 15:20	01/23/25 21:27	1
o-Terphenyl	69	S1-	70 - 130				01/20/25 15:20	01/23/25 21:27	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
- inuitio									

Client: Crain Environmental

Project/Site: Lamunyon 22

Job ID: 880-53408-1 SDG: Lea Co, NM

Client Sample ID: TH-11 (1') Lab Sample ID: 880-53408-21 Matrix: Solid

Date Collected: 01/17/25 10:25 Date Received: 01/20/25 14:10

Sample Depth: 1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:46	01/21/25 11:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:46	01/21/25 11:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:46	01/21/25 11:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/21/25 08:46	01/21/25 11:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:46	01/21/25 11:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/21/25 08:46	01/21/25 11:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				01/21/25 08:46	01/21/25 11:45	1
1,4-Difluorobenzene (Surr)	91		70 - 130				01/21/25 08:46	01/21/25 11:45	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/21/25 11:45	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) ((	3C)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg		<u> </u>	01/23/25 21:56	1
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte		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 15:20	01/23/25 21:56	1
Diesel Range Organics (Over	<49.8				mg/Kg		01/20/25 15:20	01/23/25 21:56	1
	<b>\49.0</b>	U	49.8		mg/itg				
C10-C28)	<49.8		49.8 49.8		mg/Kg		01/20/25 15:20	01/23/25 21:56	•
C10-C28) Oil Range Organics (Over C28-C36)  Surrogate		U					01/20/25 15:20  Prepared	01/23/25 21:56  Analyzed	1
C10-C28) Oil Range Organics (Over C28-C36)  Surrogate	<49.8	U	49.8						
C10-C28) Oil Range Organics (Over C28-C36)	<49.8 %Recovery	U	49.8 <i>Limits</i>				Prepared	Analyzed	1 Dil Fac
C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	<49.8  **Recovery 81  77	U Qualifier	49.8  Limits  70 - 130  70 - 130				Prepared 01/20/25 15:20	Analyzed 01/23/25 21:56	1 Dil Fac
C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	<49.8  **Recovery 81 77  Chromatograp	U Qualifier	49.8  Limits  70 - 130  70 - 130	MDL		D	Prepared 01/20/25 15:20	Analyzed 01/23/25 21:56	1 Dil Fac

Client Sample ID: TH-11 (4.1')

Lab Sample ID: 880-53408-22 Date Collected: 01/17/25 10:40 **Matrix: Solid** 

Date Received: 01/20/25 14:10

Sample Depth: 4.1'

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 12:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:46	01/21/25 12:06	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		01/21/25 08:46	01/21/25 12:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/21/25 08:46	01/21/25 12:06	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		01/21/25 08:46	01/21/25 12:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/21/25 08:46	01/21/25 12:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				01/21/25 08:46	01/21/25 12:06	1

Job ID: 880-53408-1 SDG: Lea Co, NM

Matrix: Solid

Lab Sample ID: 880-53408-22

Client Sample ID: TH-11 (4.1')

Date Collected: 01/17/25 10:40 Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Method: SW846 8021B	- Volatile Orga	nic Compound	Is (GC)	(Continued)

Surrogate	%Recovery Qualifie	r Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	91	70 - 130	01/21/25 08:46	01/21/25 12:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	)	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/21/25 12:06	1

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	mg/Kg			01/23/25 22:11	1

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

		, ,	· /						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/20/25 15:20	01/23/25 22:11	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/20/25 15:20	01/23/25 22:11	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/20/25 15:20	01/23/25 22:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81	70 - 130	01/20/25 15:20	01/23/25 22:11	1
o-Terphenyl	79	70 - 130	01/20/25 15:20	01/23/25 22:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1250	50.2	mg/Kg		_	01/22/25 21:21	5

Client Sample ID: TH-12 (1')

Date Collected: 01/17/25 10:45

Lab Sample ID: 880-53408-23

Matrix: Solid

Date Collected: 01/17/25 10:45 Date Received: 01/20/25 14:10

Sample Depth: 1'

l				
Method: SW	846 8021B	- Volatile Orga	anic Compound	s (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:46	01/21/25 12:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:46	01/21/25 12:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:46	01/21/25 12:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/21/25 08:46	01/21/25 12:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:46	01/21/25 12:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/21/25 08:46	01/21/25 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				01/21/25 08:46	01/21/25 12:26	1
1,4-Difluorobenzene (Surr)	93		70 - 130				01/21/25 08:46	01/21/25 12:26	1

Method: TAI	SOP Total BTFX	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00402	U	0.00402	ma/Ka			01/21/25 12:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (G
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Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/23/25 22:25	1

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Job ID: 880-53408-1 SDG: Lea Co, NM

Project/Site: Lamunyon 22 Client Sample ID: TH-12 (1')

145

Lab Sample ID: 880-53408-23 Matrix: Solid

01/22/25 21:27

Date Collected: 01/17/25 10:45 Date Received: 01/20/25 14:10

Client: Crain Environmental

Sample Depth: 1'

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 15:20	01/23/25 22:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/25 15:20	01/23/25 22:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 15:20	01/23/25 22:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				01/20/25 15:20	01/23/25 22:25	1
o-Terphenyl	72		70 - 130				01/20/25 15:20	01/23/25 22:25	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Pocult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: TH-12 (4.1') Lab Sample ID: 880-53408-24 **Matrix: Solid** 

10.1

mg/Kg

Date Collected: 01/17/25 11:00

Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Chloride

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 12:46	1
Toluene	< 0.00199	U	0.00199		mg/Kg		01/21/25 08:46	01/21/25 12:46	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		01/21/25 08:46	01/21/25 12:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/21/25 08:46	01/21/25 12:46	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		01/21/25 08:46	01/21/25 12:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/21/25 08:46	01/21/25 12:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				01/21/25 08:46	01/21/25 12:46	1
1,4-Difluorobenzene (Surr)	98		70 - 130				01/21/25 08:46	01/21/25 12:46	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/21/25 12:46	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/23/25 22:41	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (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 15:20	01/23/25 22:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/20/25 15:20	01/23/25 22:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 15:20	01/23/25 22:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				01/20/25 15:20	01/23/25 22:41	1

Job ID: 880-53408-1

Matrix: Solid

SDG: Lea Co, NM

Lab Sample ID: 880-53408-24

Project/Site: Lamunyon 22

Client: Crain Environmental

Client Sample ID: TH-12 (4.1')

Date Collected: 01/17/25 11:00 Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Method: EPA 300.0 - Anions, Ion	Chromatography - Soluble							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16600	497		mg/Kg			01/22/25 21:33	50

Client Sample ID: TH-13 (1') Lab Sample ID: 880-53408-25 **Matrix: Solid** 

Date Collected: 01/17/25 11:05 Date Received: 01/20/25 14:10

Sample Depth: 1'

Analyte	Result	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 13:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:46	01/21/25 13:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:46	01/21/25 13:07	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/21/25 08:46	01/21/25 13:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:46	01/21/25 13:07	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/21/25 08:46	01/21/25 13:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				01/21/25 08:46	01/21/25 13:07	1
1,4-Difluorobenzene (Surr)	90		70 - 130				01/21/25 08:46	01/21/25 13:07	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/21/25 13:07	1
=									
Method: SW846 8015 NM - Diese									
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
		Qualifier		MDL	Unit mg/Kg	D	Prepared	Analyzed 01/23/25 22:55	
Analyte	<b>Result</b> <49.9	Qualifier U	RL 49.9	MDL		<u>D</u>	Prepared		
Analyte Total TPH	Result <49.9 sel Range Orga	Qualifier U	RL 49.9			<u>D</u>	Prepared Prepared		1
Analyte Total TPH  Method: SW846 8015B NM - Dies	Result <49.9 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)		mg/Kg			01/23/25 22:55	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result	Qualifier U  nics (DRO) Qualifier U	(GC)		mg/Kg		Prepared	01/23/25 22:55  Analyzed	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.9  sel Range Orga Result <49.9	Qualifier U  nics (DRO) Qualifier U	(GC) RL 49.9		mg/Kg  Unit mg/Kg		Prepared 01/20/25 15:20	01/23/25 22:55  Analyzed 01/23/25 22:55	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 sel Range Orga Result <49.9 <49.9	Qualifier U  nics (DRO) Qualifier U  U	RL 49.9  (GC)  RL 49.9  49.9		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:20 01/20/25 15:20	01/23/25 22:55  Analyzed  01/23/25 22:55  01/23/25 22:55	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result   <49.9	Qualifier U  nics (DRO) Qualifier U  U	RL 49.9  (GC) RL 49.9  49.9  49.9		mg/Kg  Unit mg/Kg  mg/Kg		Prepared 01/20/25 15:20 01/20/25 15:20 01/20/25 15:20	01/23/25 22:55  Analyzed 01/23/25 22:55 01/23/25 22:55 01/23/25 22:55	Dil Fac  Dil Fac  1  Dil Fac  1  1  Dil Fac  1

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RL

9.98

MDL Unit

mg/Kg

D

Prepared

Dil Fac

Analyzed 01/22/25 21:38

Analyte

Chloride

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

206

Matrix: Solid

Lab Sample ID: 880-53408-26

Client: Crain Environmental
Project/Site: Lamunyon 22
Job ID: 880-53408-1
SDG: Lea Co, NM

Client Sample ID: TH-13 (4.1')

Date Collected: 01/17/25 11:20 Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:46	01/21/25 13:27	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:46	01/21/25 13:27	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:46	01/21/25 13:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/21/25 08:46	01/21/25 13:27	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:46	01/21/25 13:27	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/21/25 08:46	01/21/25 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				01/21/25 08:46	01/21/25 13:27	1
1,4-Difluorobenzene (Surr)	96		70 - 130				01/21/25 08:46	01/21/25 13:27	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00402	U	0.00402		mg/Kg			01/21/25 13:27	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (						01/21/20 10:21	
Method: SW846 8015 NM - Diese Analyte	•	ics (DRO) (		MDL		D	Prepared	Analyzed	Dil Fac
	•	Qualifier	GC)	MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total TPH	Result   <50.0	Qualifier U	GC) RL 50.0	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Analyte	Result  <50.0 sel Range Orga	Qualifier U	GC) RL 50.0	MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 01/23/25 23:10	1
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	Result  <50.0 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 50.0		Unit mg/Kg	_ =		Analyzed	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0  sel Range Orga Result	Qualifier U  nics (DRO) Qualifier U	(GC) RL RL		Unit mg/Kg Unit	_ =	Prepared	Analyzed 01/23/25 23:10 Analyzed	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0  sel Range Orga Result <50.0	Qualifier U  nics (DRO) Qualifier U	(GC)  RL  50.0  RL  50.0		Unit mg/Kg  Unit mg/Kg	_ =	Prepared 01/20/25 15:20	Analyzed 01/23/25 23:10  Analyzed 01/23/25 23:10	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result   <50.0	Qualifier U  nics (DRO) Qualifier U  U	GC)  RL  50.0  (GC)  RL  50.0  50.0		Unit mg/Kg  Unit mg/Kg mg/Kg	_ =	Prepared 01/20/25 15:20 01/20/25 15:20	Analyzed 01/23/25 23:10  Analyzed 01/23/25 23:10  01/23/25 23:10	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result   <50.0	Qualifier U  nics (DRO) Qualifier U  U	GC) RL 50.0  (GC) RL 50.0  50.0  50.0		Unit mg/Kg  Unit mg/Kg mg/Kg	_ =	Prepared 01/20/25 15:20 01/20/25 15:20 01/20/25 15:20	Analyzed 01/23/25 23:10  Analyzed 01/23/25 23:10 01/23/25 23:10 01/23/25 23:10	1 Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die: Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate	Result   <50.0	Qualifier U  nics (DRO) Qualifier U  U	GC)  RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits		Unit mg/Kg  Unit mg/Kg mg/Kg	_ =	Prepared 01/20/25 15:20 01/20/25 15:20 01/20/25 15:20 Prepared	Analyzed 01/23/25 23:10  Analyzed 01/23/25 23:10 01/23/25 23:10 01/23/25 23:10 Analyzed	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane o-Terphenyl	Result   <50.0	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	GC)  RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits 70 - 130 70 - 130		Unit mg/Kg  Unit mg/Kg mg/Kg	_ =	Prepared 01/20/25 15:20 01/20/25 15:20 01/20/25 15:20  Prepared 01/20/25 15:20	Analyzed 01/23/25 23:10  Analyzed 01/23/25 23:10  01/23/25 23:10  01/23/25 23:10  Analyzed 01/23/25 23:10	Dil Fac
Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)  Surrogate 1-Chlorooctane	Result	Qualifier U  nics (DRO) Qualifier U  U  Qualifier	GC)  RL 50.0  (GC)  RL 50.0  50.0  50.0  Limits 70 - 130 70 - 130		Unit mg/Kg  Unit mg/Kg mg/Kg mg/Kg	_ =	Prepared 01/20/25 15:20 01/20/25 15:20 01/20/25 15:20  Prepared 01/20/25 15:20	Analyzed 01/23/25 23:10  Analyzed 01/23/25 23:10  01/23/25 23:10  01/23/25 23:10  Analyzed 01/23/25 23:10	1 Dil Fac

Client Sample ID: TH-14 (1')

Date Collected: 01/17/25 11:25

Date Received: 01/20/25 14:10

Sample Depth: 1'

Analyte	Result	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 13:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:46	01/21/25 13:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:46	01/21/25 13:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/21/25 08:46	01/21/25 13:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:46	01/21/25 13:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/21/25 08:46	01/21/25 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				01/21/25 08:46	01/21/25 13:47	1

**Eurofins Midland** 

Lab Sample ID: 880-53408-27

2

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8

10

12

13

**Matrix: Solid** 

Job ID: 880-53408-1

SDG: Lea Co, NM

Client Sample ID: TH-14 (1')

Date Collected: 01/17/25 11:25 Date Received: 01/20/25 14:10

Sample Depth: 1'

Lab Sample ID: 880-53408-27

Lab Sample ID: 880-53408-28

**Matrix: Solid** 

Matrix: Solid

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

%Recovery Qualifier Limits Prepared Surrogate Analyzed Dil Fac 70 - 130 01/21/25 08:46 1,4-Difluorobenzene (Surr) 93 01/21/25 13:47

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

Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared Total BTEX <0.00400 0.00400 01/21/25 13:47 mg/Kg

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

Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total TPH <49.9 49.9 mg/Kg 01/23/25 23:24

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

**MDL** Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac <49.9 U 01/20/25 15:20 01/23/25 23:24 Gasoline Range Organics 49.9 mg/Kg (GRO)-C6-C10 <49.9 U 49.9 01/20/25 15:20 01/23/25 23:24 Diesel Range Organics (Over mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 01/20/25 15:20 01/23/25 23:24

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 75 70 - 130 01/20/25 15:20 01/23/25 23:24 01/23/25 23:24 o-Terphenyl 71 70 - 130 01/20/25 15:20

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 9.90 01/22/25 21:50 Chloride 10.3 mg/Kg

Client Sample ID: TH-14 (4.1')

Date Collected: 01/17/25 11:40

Date Received: 01/20/25 14:10

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 01/21/25 08:46 01/21/25 14:08 Toluene <0.00200 U 0.00200 01/21/25 08:46 01/21/25 14:08 mg/Kg Ethylbenzene <0.00200 U 0.00200 01/21/25 08:46 01/21/25 14:08 mg/Kg 0.00399 01/21/25 14:08 m-Xylene & p-Xylene <0.00399 U 01/21/25 08:46 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 01/21/25 08:46 01/21/25 14:08 Xylenes, Total <0.00399 U 0.00399 mg/Kg 01/21/25 08:46 01/21/25 14:08

Qualifier Limits Dil Fac Surrogate %Recovery Prepared Analyzed 110 70 - 130 01/21/25 08:46 4-Bromofluorobenzene (Surr) 01/21/25 14:08 1,4-Difluorobenzene (Surr) 90 70 - 130 01/21/25 08:46 01/21/25 14:08

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte Result Qualifier RL MDL D Dil Fac Unit Prepared Analyzed Total BTEX <0.00399 0.00399 mg/Kg 01/21/25 14:08

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

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <49.8 U 01/23/25 23:39 Total TPH 49.8 mg/Kg

Job ID: 880-53408-1

01/22/25 22:08

Matrix: Solid

Client: Crain Environmental Project/Site: Lamunyon 22 SDG: Lea Co, NM

Client Sample ID: TH-14 (4.1') Lab Sample ID: 880-53408-28

Date Collected: 01/17/25 11:40 Matrix: Solid Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8		mg/Kg		01/20/25 15:20	01/23/25 23:39	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		01/20/25 15:20	01/23/25 23:39	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 15:20	01/23/25 23:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				01/20/25 15:20	01/23/25 23:39	1
o-Terphenyl	75		70 - 130				01/20/25 15:20	01/23/25 23:39	1
o-Terphenyl - -							01/20/25 15:20	01/23/25 23:39	
Method: EPA 300.0 - Anions, Ion	• •	•							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: 880-53408-29 Client Sample ID: TH-15 (1')

101

4140

mg/Kg

Date Collected: 01/17/25 11:45 Date Received: 01/20/25 14:10

Sample Depth: 1'

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:46	01/21/25 14:28	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:46	01/21/25 14:28	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:46	01/21/25 14:28	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/21/25 08:46	01/21/25 14:28	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:46	01/21/25 14:28	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/21/25 08:46	01/21/25 14:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				01/21/25 08:46	01/21/25 14:28	1
1,4-Difluorobenzene (Surr)	91		70 - 130				01/21/25 08:46	01/21/25 14:28	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	10.00400				""				
Total BTEX	< 0.00402	U	0.00402		mg/Kg			01/21/25 14:28	1
• •					mg/Kg			01/21/25 14:28	1
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)						·
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	ics (DRO) (	GC)	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)	MDL		<u>D</u>	Prepared		·
Method: SW846 8015 NM - Diese Analyte	Result <a href="#">&lt;49.7</a>	ics (DRO) ( Qualifier	GC) RL 49.7	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <a href="#">&lt;49.7</a> sel Range Organ	ics (DRO) ( Qualifier	GC) RL 49.7	MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <a href="#">&lt;49.7</a> sel Range Organ	Qualifier Unics (DRO) Qualifier	RL 49.7 (GC)		Unit mg/Kg		<u> </u>	Analyzed 01/23/25 23:54	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result <a href="#">&lt;49.7</a> <a href="#">sel Range Orga</a> Result	Qualifier U nics (DRO) Qualifier U u U	GC)  RL 49.7  (GC) RL		Unit mg/Kg		Prepared	Analyzed 01/23/25 23:54 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <49.7  sel Range Orga Result <49.7	Qualifier U nics (DRO) Qualifier U u U	GC)  RL 49.7  (GC)  RL 49.7		Unit mg/Kg  Unit mg/Kg		Prepared 01/20/25 15:20	Analyzed 01/23/25 23:54  Analyzed 01/23/25 23:54	Dil Fac  Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <49.7  sel Range Orga Result <49.7	cics (DRO) ( Qualifier U  nics (DRO) Qualifier U	GC)  RL 49.7  (GC)  RL 49.7		Unit mg/Kg  Unit mg/Kg		Prepared 01/20/25 15:20	Analyzed 01/23/25 23:54  Analyzed 01/23/25 23:54	Dil Fac  Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <49.7  sel Range Orga Result <49.7  <49.7	cics (DRO) (Control of the control o	GC)  RL 49.7  (GC)  RL 49.7  49.7		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 01/20/25 15:20 01/20/25 15:20	Analyzed 01/23/25 23:54  Analyzed 01/23/25 23:54  01/23/25 23:54	Dil Fac  Dil Fac  1  1  1
Method: SW846 8015 NM - Diese Analyte Total TPH  Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	el Range Organ Result <49.7  sel Range Orga Result <49.7  <49.7  <49.7	cics (DRO) (Control of the control o	GC)  RL 49.7  (GC)  RL 49.7  49.7  49.7		Unit mg/Kg  Unit mg/Kg mg/Kg		Prepared 01/20/25 15:20 01/20/25 15:20 01/20/25 15:20	Analyzed 01/23/25 23:54  Analyzed 01/23/25 23:54 01/23/25 23:54 01/23/25 23:54	Dil Fac  Dil Fac  1

Job ID: 880-53408-1

Matrix: Solid

SDG: Lea Co, NM

Lab Sample ID: 880-53408-29

Client Sample ID: TH-15 (1')

Date Collected: 01/17/25 11:45 Date Received: 01/20/25 14:10

Sample Depth: 1'

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	19.0		10.1		mg/Kg			01/22/25 22:14	1

Client Sample ID: TH-15 (4.1') Lab Sample ID: 880-53408-30 **Matrix: Solid** 

Date Collected: 01/17/25 12:00 Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Total BTEX

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 14:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:46	01/21/25 14:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:46	01/21/25 14:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/21/25 08:46	01/21/25 14:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:46	01/21/25 14:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/21/25 08:46	01/21/25 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				01/21/25 08:46	01/21/25 14:49	1
1,4-Difluorobenzene (Surr)	94		70 - 130				01/21/25 08:46	01/21/25 14:49	1

Method: SW846 8015 NM - Diesel F	Range Organi	cs (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	n	ma/Ka			01/24/25 00:08	1

0.00398

<0.00398 U

MDL Unit

mg/Kg

Prepared

Analyzed

01/21/25 14:49

Dil Fac

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 15:20	01/24/25 00:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/25 15:20	01/24/25 00:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 15:20	01/24/25 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				01/20/25 15:20	01/24/25 00:08	1
o-Terphenyl	73		70 - 130				01/20/25 15:20	01/24/25 00:08	1

Method: EPA 300.0 - Anions, Ion Ch	romatograp	hy - Soluble	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.0		9.94		mg/Kg			01/22/25 22:31	1

Matrix: Solid

Client: Crain Environmental Job ID: 880-53408-1 Project/Site: Lamunyon 22 SDG: Lea Co, NM

Client Sample ID: TH-16 (1')

Lab Sample ID: 880-53408-31 Date Collected: 01/17/25 12:05 Date Received: 01/20/25 14:10

Sample Depth: 1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:46	01/21/25 16:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:46	01/21/25 16:22	•
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:46	01/21/25 16:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/21/25 08:46	01/21/25 16:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/21/25 08:46	01/21/25 16:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/21/25 08:46	01/21/25 16:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				01/21/25 08:46	01/21/25 16:22	1
1,4-Difluorobenzene (Surr)	92		70 - 130				01/21/25 08:46	01/21/25 16:22	1
- Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/21/25 16:22	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/20/25 17:51	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		01/20/25 16:01	01/20/25 17:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/20/25 16:01	01/20/25 17:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/20/25 16:01	01/20/25 17:51	1
		Qualifier	Limits				Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	~~~~~							
Surrogate 1-Chlorooctane		S1-	70 - 130				01/20/25 16:01	01/20/25 17:51	1
	68		70 <sub>-</sub> 130 70 <sub>-</sub> 130				01/20/25 16:01 01/20/25 16:01	01/20/25 17:51 01/20/25 17:51	•
1-Chlorooctane	68 65	S1- S1-	70 - 130						•
1-Chlorooctane o-Terphenyl	68 65 Chromatograp	S1- S1-	70 - 130	MDL	Unit	D			1 1 Dil Fac

Client Sample ID: TH-16 (4.1')

Date Collected: 01/17/25 12:20 Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:46	01/21/25 16:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:46	01/21/25 16:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:46	01/21/25 16:42	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/21/25 08:46	01/21/25 16:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:46	01/21/25 16:42	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/21/25 08:46	01/21/25 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				01/21/25 08:46	01/21/25 16:42	1

**Eurofins Midland** 

Lab Sample ID: 880-53408-32

Matrix: Solid

Matrix: Solid

Lab Sample ID: 880-53408-32

Job ID: 880-53408-1 SDG: Lea Co, NM

Client: Crain Environmental Project/Site: Lamunyon 22

Client Sample ID: TH-16 (4.1')

Date Collected: 01/17/25 12:20 Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Method: SW846 8021B -	Volatile Organi	c Compounds	(GC)	(Continued)
			<b>\-</b> /	(

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	93	70 - 130	01/21/25 08:46	01/21/25 16:42	1

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			01/21/25 16:42	1

Analyte	Result	Qualifier	RL	MDL	Unit	I	D	Prepared	Analyzed	Dil Fac
Total TPH	55.6		50.0		mg/Kg				01/20/25 18:06	1

Method: SW846 8015B	NM - Diesel Rand	ge Organics	(DRO)	(GC)
Michiga. Offord out ob	ININ - Diesel Itali	ge Organics	(DitO)	(00)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	55.6	*1	50.0		mg/Kg		01/20/25 16:01	01/20/25 18:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/20/25 16:01	01/20/25 18:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 16:01	01/20/25 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130	01/20/25 16:0	01/20/25 18:06	1
o-Terphenyl	68	S1-	70 - 130	01/20/25 16:0	01 01/20/25 18:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1310		50.0		mg/Kg			01/22/25 22:43	5

Client Sample ID: TH-17 (1')

Date Collected: 01/17/25 12:25

Lab Sample ID: 880-53408-33

Matrix: Solid

Date Collected: 01/17/25 12:25 Date Received: 01/20/25 14:10

Sample Depth: 1'

Method: SW846	S 2021R - Volatile	Organic (	Compounds	(CC)

Welliou. Syvo40 602 IB - Volat	ne Organic Comp	iouilus (GC	)						
Analyte	Result	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 17:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:46	01/21/25 17:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:46	01/21/25 17:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/21/25 08:46	01/21/25 17:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:46	01/21/25 17:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/21/25 08:46	01/21/25 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				01/21/25 08:46	01/21/25 17:03	1
1 4-Difluorobenzene (Surr)	88		70 - 130				01/21/25 08:46	01/21/25 17:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation
metriod. TAL COL TOTAL DILA - TOTAL DILA CALCULATION

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	U	0.00399		mg/Kg			01/21/25 17:03	1

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	mg/K			01/20/25 18:21	1

**Eurofins Midland** 

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Job ID: 880-53408-1 SDG: Lea Co, NM

Project/Site: Lamunyon 22 Client Sample ID: TH-17 (1')

Lab Sample ID: 880-53408-33

Date Collected: 01/17/25 12:25 Date Received: 01/20/25 14:10

Client: Crain Environmental

Matrix: Solid

Sample Depth: 1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U *1	49.8		mg/Kg		01/20/25 16:01	01/20/25 18:21	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		01/20/25 16:01	01/20/25 18:21	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 16:01	01/20/25 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				01/20/25 16:01	01/20/25 18:21	1
o-Terphenyl	65	S1-	70 - 130				01/20/25 16:01	01/20/25 18:21	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	354	-	10.0		mg/Kg			01/22/25 22:49	

Client Sample ID: TH-17 (4.1') Lab Sample ID: 880-53408-34 Date Collected: 01/17/25 12:40

**Matrix: Solid** 

Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Analyte	Result	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 17:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:46	01/21/25 17:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:46	01/21/25 17:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/21/25 08:46	01/21/25 17:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/21/25 08:46	01/21/25 17:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/21/25 08:46	01/21/25 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				01/21/25 08:46	01/21/25 17:23	1
1,4-Difluorobenzene (Surr)	91		70 - 130				01/21/25 08:46	01/21/25 17:23	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/21/25 17:23	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/20/25 18:50	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *1	49.7		mg/Kg		01/20/25 16:01	01/20/25 18:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/20/25 16:01	01/20/25 18:50	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/20/25 16:01	01/20/25 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				01/20/25 16:01	01/20/25 18:50	1
o-Terphenyl		S1-	70 - 130				01/20/25 16:01	01/20/25 18:50	1

Job ID: 880-53408-1

SDG: Lea Co, NM

Project/Site: Lamunyon 22 Client Sample ID: TH-17 (4.1')

Client: Crain Environmental

Lab Sample ID: 880-53408-34

Matrix: Solid

Date Collected: 01/17/25 12:40 Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Method: EPA 300.0 - Anions, Ion C	hromatography - Solubl	e				
Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
Chloride	3540	99.2	mg/Kg		01/22/25 22:55	10

Client Sample ID: TH-18 (1') Lab Sample ID: 880-53408-35

Date Collected: 01/17/25 12:45 Date Received: 01/20/25 14:10

**Matrix: Solid** 

Sample Depth: 1'

C10-C28)

Surrogate

o-Terphenyl

Analyte

Chloride

1-Chlorooctane

Oil Range Organics (Over C28-C36)

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 17:44	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:46	01/21/25 17:44	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:46	01/21/25 17:44	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/21/25 08:46	01/21/25 17:44	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/21/25 08:46	01/21/25 17:44	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/21/25 08:46	01/21/25 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				01/21/25 08:46	01/21/25 17:44	1
1,4-Difluorobenzene (Surr)	90		70 - 130				01/21/25 08:46	01/21/25 17:44	1
Method: TAL SOP Total BTEX		culation	, 6 = 1.60				0,721,2000,10		
·	- Total BTEX Cald	culation Qualifier	RL	MDL	Unit	D		Analyzed	Dil Fac
Method: TAL SOP Total BTEX	- Total BTEX Cald	Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared		Dil Fac
Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00398 esel Range Organ	<b>Qualifier</b> U	RL 0.00398			D D		Analyzed	1
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die	- Total BTEX Calc Result <0.00398 esel Range Organ	Qualifier U ics (DRO) ( Qualifier	RL 0.00398		mg/Kg		Prepared	Analyzed 01/21/25 17:44	Dil Fac  Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00398 esel Range Organ Result <49.8	Qualifier U ics (DRO) ( Qualifier U	RL 0.00398  GC) RL 49.8		mg/Kg		Prepared	Analyzed 01/21/25 17:44  Analyzed	1
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00398 esel Range Organ Result <49.8 iesel Range Orga	Qualifier U ics (DRO) ( Qualifier U	RL 0.00398  GC) RL 49.8	MDL	mg/Kg		Prepared	Analyzed 01/21/25 17:44  Analyzed	Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX  Method: SW846 8015 NM - Die Analyte Total TPH  Method: SW846 8015B NM - D	- Total BTEX Calc Result <0.00398 esel Range Organ Result <49.8 iesel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	RL 0.00398  GC)  RL 49.8	MDL	mg/Kg  Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed 01/21/25 17:44  Analyzed 01/20/25 19:04	1

49.8

RL

9.92

Limits

70 - 130

70 - 130

<49.8 U

%Recovery Qualifier

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

69 S1-

67 S1-

Result Qualifier

459

mg/Kg

MDL Unit

mg/Kg

01/20/25 16:01

Prepared

01/20/25 16:01

01/20/25 16:01

Prepared

D

01/20/25 19:04

Analyzed

01/20/25 19:04

01/20/25 19:04

Analyzed

01/22/25 23:01

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Dil Fac

Dil Fac

## **Client Sample Results**

Client: Crain Environmental
Project/Site: Lamunyon 22
Job ID: 880-53408-1
SDG: Lea Co, NM

Client Sample ID: TH-18 (4.1')

Lab Sample ID: 880-53408-36

Date Collected: 01/17/25 13:00 Matrix: Solid
Date Received: 01/20/25 14:10

Sample Depth: 4.1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:46	01/21/25 18:04	
Toluene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:46	01/21/25 18:04	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:46	01/21/25 18:04	
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/21/25 08:46	01/21/25 18:04	
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/21/25 08:46	01/21/25 18:04	
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/21/25 08:46	01/21/25 18:04	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	108		70 - 130				01/21/25 08:46	01/21/25 18:04	
1,4-Difluorobenzene (Surr)	87		70 - 130				01/21/25 08:46	01/21/25 18:04	
Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Method: SW846 8015 NM - Diese			•	MDI	I I milé		Duamanad	Analysed	D:: F-
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.8	U	49.8		mg/Kg			01/20/25 19:19	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8		mg/Kg		01/20/25 16:01	01/20/25 19:19	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/20/25 16:01	01/20/25 19:19	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/20/25 16:01	01/20/25 19:19	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
			70 - 130				01/20/25 16:01	01/20/25 19:19	
	71		10 - 130					01/20/20 19.19	
1-Chlorooctane o-Terphenyl	71 70		70 - 130 70 - 130				01/20/25 16:01	01/20/25 19:19	
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion	70	•	70 <sub>-</sub> 130				01/20/25 16:01	01/20/25 19:19	
1-Chlorooctane o-Terphenyl	70	ohy - Solubl Qualifier	70 - 130	MDL	Unit mg/Kg	D			

## **Surrogate Summary**

Client: Crain Environmental Job ID: 880-53408-1 Project/Site: Lamunyon 22 SDG: Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
380-53408-1	TH-1 (1')	121	99	
380-53408-1 MS	TH-1 (1')	119	110	
380-53408-1 MSD	TH-1 (1')	119	114	
380-53408-2	TH-1 (4.1')	124	101	
380-53408-3	TH-2 (1')	120	99	
380-53408-4	TH-2 (4.1')	120	101	
380-53408-5	TH-3 (1')	125	94	
380-53408-6	TH-3 (4.1')	126	100	
880-53408-7	TH-4 (1')	123	102	
880-53408-8	TH-4 (4.1')	126	97	
80-53408-9	TH-5 (1')	122	101	
880-53408-10	TH-5 (4.1')	123	102	
880-53408-11	TH-6 (1')	95	106	
380-53408-12	TH-6 (4.1')	91	105	
380-53408-13	TH-7 (1')	91	104	
380-53408-14	TH-7 (4.1')	90	107	
380-53408-15	TH-8 (1')	88	104	
380-53408-16	TH-8 (4.1')	92	107	
380-53408-17	TH-9 (1')	93	107	
880-53408-18	TH-9 (4.1')	93	106	
880-53408-19	TH-10 (1')	92	108	
380-53408-20	TH-10 (4.1')	92	108	
380-53408-21	TH-11 (1')	105	91	
80-53408-21 MS	TH-11 (1')	105	89	
880-53408-21 MSD	TH-11 (1')	103	96	
880-53408-22	TH-11 (4.1')	104	91	
380-53408-23	TH-12 (1')	102	93	
80-53408-24	TH-12 (4.1')	114	98	
880-53408-25	TH-13 (1')	109	90	
380-53408-26	TH-13 (4.1')	104	96	
880-53408-27	TH-14 (1')	103	93	
380-53408-28	TH-14 (4.1')	110	90	
880-53408-29	TH-15 (1')	102	91	
380-53408-30		105	94	
880-53408-31	TH-15 (4.1')	103	92	
380-53408-32	TH-16 (1')	102	93	
	TH-16 (4.1')			
380-53408-33	TH-17 (1')	108	88	
880-53408-34	TH-17 (4.1')	108	91	
380-53408-35	TH-18 (1')	102	90	
380-53408-36	TH-18 (4.1')	108	87	
CS 880-100734/1-A	Lab Control Sample	123	113	
CS 880-100735/1-A	Lab Control Sample	105	88	
_CSD 880-100734/2-A	Lab Control Sample Dup	120	111	
_CSD 880-100735/2-A	Lab Control Sample Dup	104	91	
MB 880-100734/5-A	Method Blank	117	98	
MB 880-100735/5-A	Method Blank	96	87	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

# **Surrogate Summary**

Client: Crain Environmental Job ID: 880-53408-1
Project/Site: Lamunyon 22 SDG: Lea Co, NM

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance L
		1001	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
30-53408-1	TH-1 (1')	66 S1-	63 S1-	
0-53408-2	TH-1 (4.1')	68 S1-	65 S1-	
0-53408-3	TH-2 (1')	69 S1-	68 S1-	
)-53408-4	TH-2 (4.1')	69 S1-	66 S1-	
-53408-5	TH-3 (1')	70	67 S1-	
)-53408-6	TH-3 (4.1')	69 S1-	69 S1-	
)-53408-7	TH-4 (1')	68 S1-	64 S1-	
)-53408-8	TH-4 (4.1')	72	70	
0-53408-9	TH-5 (1')	69 S1-	68 S1-	
)-53408-10	TH-5 (4.1')	67 S1-	64 S1-	
0-53408-11	TH-6 (1')	77	73	
-53408-11 MS	TH-6 (1')	81	77	
-53408-11 MSD	TH-6 (1')	82	76	
-53408-12	TH-6 (4.1')	75	70 72	
)-53408-12 )-53408-13	TH-7 (1')	75 75	72	
-53408-14	TH-7 (4.1')	73	68 S1-	
-53408-15	TH-7 (4.1) TH-8 (1')	73 78	75	
-53408-16	` '	86	83	
	TH-8 (4.1')			
-53408-17	TH-9 (1')	76 76	72	
-53408-18	TH-9 (4.1')	76	72	
-53408-19	TH-10 (1')	75	71	
1-53408-20	TH-10 (4.1')	72	69 S1-	
0-53408-21	TH-11 (1')	81	77	
-53408-22	TH-11 (4.1')	81	79	
-53408-23	TH-12 (1')	75	72	
53408-24	TH-12 (4.1')	77	76	
53408-25	TH-13 (1')	80	76	
-53408-26	TH-13 (4.1')	77	74	
53408-27	TH-14 (1')	75	71	
53408-28	TH-14 (4.1')	77	75	
53408-29	TH-15 (1')	75	69 S1-	
-53408-30	TH-15 (4.1')	77	73	
-53408-31	TH-16 (1')	68 S1-	65 S1-	
53408-32	TH-16 (4.1')	69 S1-	68 S1-	
)-53408-33	TH-17 (1')	67 S1-	65 S1-	
)-53408-34	TH-17 (4.1')	69 S1-	68 S1-	
-53408-35	TH-18 (1')	69 S1-	67 S1-	
0-53408-36	TH-18 (4.1')	71	70	
S 880-100626/2-A	Lab Control Sample	116	109	
S 880-100702/2-A	Lab Control Sample	105	99	
	•			
S 880-100703/2-A	Lab Control Sample	119	114	
SD 880-100626/3-A	Lab Control Sample Dup	127	113	
SD 880-100702/3-A	Lab Control Sample Dup	120	115	
SD 880-100703/3-A	Lab Control Sample Dup	112	107	
3 880-100626/1-A	Method Blank	75	73	
3 880-100702/1-A	Method Blank	110	112	
3 880-100703/1-A	Method Blank	85	84	

# **Surrogate Summary**

Client: Crain Environmental Project/Site: Lamunyon 22 OTPH = o-Terphenyl Job ID: 880-53408-1 SDG: Lea Co, NM

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Job ID: 880-53408-1 SDG: Lea Co, NM

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

Lab Sample ID: MB 880-100734/5-A

Lab Sample ID: LCS 880-100734/1-A

**Matrix: Solid** 

Analyte Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

**Matrix: Solid** 

Analysis Batch: 100731

m-Xylene & p-Xylene

Analysis Batch: 100731

Client Sample ID: Method Blank

01/21/25 11:23

Prep Type: Total/NA

Prep Batch: 100734

MB	MB							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 11:23	1
<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 11:23	1
<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 11:23	1
<0.00400	U	0.00400		mg/Kg		01/21/25 08:45	01/21/25 11:23	1
<0.00200	U	0.00200		mg/Kg		01/21/25 08:45	01/21/25 11:23	1

mg/Kg

MB MB

<0.00400 U

Surrogate		%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluo	robenzene (Surr)	117		70 - 130	01/21/25 08:45	01/21/25 11:23	1
1,4-Difluorok	penzene (Surr)	98		70 - 130	01/21/25 08:45	01/21/25 11:23	1

0.00400

**Client Sample ID: Lab Control Sample** 

01/21/25 08:45

Prep Type: Total/NA

Prep Batch: 100734

Prep Type: Total/NA

Prep Batch: 100734

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1156 mg/Kg 116 70 - 130 Toluene 0.100 0.1032 mg/Kg 103 70 - 130 0.100 Ethylbenzene 0.1128 mg/Kg 113 70 - 130 0.200 0.2377 70 - 130 m-Xylene & p-Xylene mg/Kg 119 0.100 0.1151 70 - 130 o-Xylene mg/Kg 115

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	123	70 - 130
1,4-Difluorobenzene (Surr)	113	70 - 130

Lab Sample ID: LCSD 880-100734/2-A Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** 

Analysis Batch: 100731

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1096		mg/Kg		110	70 - 130	5	35
Toluene	0.100	0.09795		mg/Kg		98	70 - 130	5	35
Ethylbenzene	0.100	0.1077		mg/Kg		108	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2249		mg/Kg		112	70 - 130	6	35
o-Xvlene	0.100	0.1093		ma/Ka		109	70 130	5	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1.4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: 880-53408-1 MS

**Matrix: Solid** 

Analysis Batch: 100731

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

Prep Batch: 100734

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.09939		mg/Kg		99	70 - 130	
Toluene	<0.00200	U	0.100	0.08790		mg/Kg		88	70 - 130	

Job ID: 880-53408-1 SDG: Lea Co, NM

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

Lab Sample ID: 880-53408-1 MS Matrix: Solid

Analysis Batch: 100731

Client Sample ID: TH-1 (1')
Prep Type: Total/NA
Prep Batch: 100734

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits D Ethylbenzene <0.00200 U 0.100 0.09570 96 70 - 130 mg/Kg m-Xylene & p-Xylene < 0.00399 0.200 0.2010 mg/Kg 101 70 - 130 <0.00200 U 0.100 0.09899 o-Xylene mg/Kg 99 70 - 130

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-53408-1 MSD

Matrix: Solid

Analysis Batch: 100731

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

Prep Batch: 100734

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Result Qualifier %Rec Limits RPD Limit Analyte Unit 0.100 Benzene <0.00200 U 0.09278 mg/Kg 93 70 - 130 7 35 Toluene <0.00200 0.100 0.08168 82 70 - 130 35 mg/Kg Ethylbenzene <0.00200 U 0.100 0.08872 mg/Kg 89 70 - 130 8 35 <0.00399 U 0.200 0.1849 92 70 - 130 35 m-Xylene & p-Xylene mg/Kg 8 <0.00200 U 0.100 0.09074 91 70 - 130 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	119	70 - 130
1,4-Difluorobenzene (Surr)	114	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** 

MB MB

Analyte	Result	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

MB MB

Surrogate	%Recovery	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

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

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

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Job ID: 880-53408-1 SDG: Lea Co, NM

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

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

Matrix: Solid

Analysis Batch: 100729

Spike

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 100735

Rec

		<b>Бріке</b>	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
o-Xylene		0.100	0.09087		mg/Kg		91	70 - 130	

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

Lab Sample ID: LCSD 880-100735/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid
Analysis Batch: 100729
Prep Batch: 100735

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

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

Lab Sample ID: 880-53408-21 MS

Client Sample ID: TH-11 (1')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 100729

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.100	0.08524		mg/Kg		85	70 - 130	
Toluene	<0.00202	U	0.100	0.08172		mg/Kg		82	70 - 130	
Ethylbenzene	<0.00202	U	0.100	0.08608		mg/Kg		86	70 - 130	
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1770		mg/Kg		89	70 - 130	
o-Xylene	<0.00202	U	0.100	0.09015		mg/Kg		90	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 880-53408-21 MSD Client Sample ID: TH-11 (1')

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 100729 Prep Batch: 100735

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U	0.100	0.09598		mg/Kg		96	70 - 130	12	35
Toluene	<0.00202	U	0.100	0.08683		mg/Kg		87	70 - 130	6	35
Ethylbenzene	<0.00202	U	0.100	0.08736		mg/Kg		87	70 - 130	1	35
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1863		mg/Kg		93	70 - 130	5	35
o-Xylene	<0.00202	U	0.100	0.09399		mg/Kg		94	70 - 130	4	35

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Prep Batch: 100735

Job ID: 880-53408-1

SDG: Lea Co, NM

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

Lab Sample ID: 880-53408-21 MSD

**Matrix: Solid** 

Analysis Batch: 100729

Client Sample ID: TH-11 (1')

**Prep Type: Total/NA** 

Prep Batch: 100735

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

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

Lab Sample ID: MB 880-100626/1-A

**Matrix: Solid** 

Analysis Batch: 100648

**Client Sample ID: Method Blank** 

Prep Type: Total/NA

Prep Batch: 100626

	IVID	IAID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		01/20/25 08:46	01/20/25 09:28	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		01/20/25 08:46	01/20/25 09:28	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 08:46	01/20/25 09:28	1
	MP	MR							

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	01/20/25 08:46	01/20/25 09:28	1
o-Terphenyl	73		70 - 130	01/20/25 08:46	01/20/25 09:28	1

Lab Sample ID: LCS 880-100626/2-A

**Matrix: Solid** 

Analysis Batch: 100648

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 100626

		Spike	LCS	LCS				%Rec	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Gasoline Range Organics	1000	1078		mg/Kg		108	70 - 130	
	(GRO)-C6-C10								
	Diesel Range Organics (Over	1000	1074		mg/Kg		107	70 - 130	
ı	C10-C28)								

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	116	70 - 130
o-Terphenyl	109	70 - 130

Lab Sample ID: LCSD 880-100626/3-A

**Matrix: Solid** 

Analysis Batch: 100648

**Client Sample ID: Lab Control Sample Dup** 

Prep Type: Total/NA

Prep Batch: 100626

-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	876.7	*1	mg/Kg		88	70 - 130	21	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1128		mg/Kg		113	70 - 130	5	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	113		70 - 130

Job ID: 880-53408-1

SDG: Lea Co, NM

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

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

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

**Matrix: Solid** Analysis Batch: 100857

**Matrix: Solid** 

Analysis Batch: 100857

Client: Crain Environmental

Project/Site: Lamunyon 22

Client Sample ID: Method Blank

Prep Type: Total/NA

**Prep Batch: 100702** 

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		01/20/25 15:15	01/22/25 17:33	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		01/20/25 15:15	01/22/25 17:33	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/20/25 15:15	01/22/25 17:33	1
	***	***							
	IVIB	MB							

Surrogate	%Recovery	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

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

**Prep Batch: 100702** 

**Prep Type: Total/NA** 

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

LCS LCS

Surrogate	%Recovery Qualifie	r Limits
1-Chlorooctane	105	70 - 130
o-Terphenyl	99	70 - 130

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 880-100702/3-A **Matrix: Solid** 

Analysis Batch: 100857 Prep Batch: 100702

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

LCSD LCSD

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

Lab Sample ID: MB 880-100703/1-A **Client Sample ID: Method Blank** Matrix: Solid Prep Type: Total/NA

Analysis Batch: 100936

IVID	IVID							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<50.0	U	50.0		mg/Kg		01/20/25 15:20	01/23/25 18:01	1
<50.0	U	50.0		mg/Kg		01/20/25 15:20	01/23/25 18:01	1
<50.0	U	50.0		mg/Kg		01/20/25 15:20	01/23/25 18:01	1
	<50.0 <50.0	Result   Qualifier	<50.0 U 50.0 <50.0	Result         Qualifier         RL         MDL           <50.0	Result         Qualifier         RL         MDL         Unit           <50.0	Result         Qualifier         RL         MDL mg/Kg         Unit         D           <50.0	Result         Qualifier         RL         MDL mg/Kg         Unit         D on the mg/Kg         Prepared on the prepared on the mg/Kg           <50.0	Result          Qualifier         RL          MDL mg/Kg         Unit mg/Kg         D 01/20/25 15:20         Prepared Analyzed 01/20/25 18:01           <50.0 U

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Prep Batch: 100703

Client: Crain Environmental Project/Site: Lamunyon 22

Job ID: 880-53408-1 SDG: Lea Co, NM

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

Lab Sample ID: MB 880-100703/1-A

Lab Sample ID: LCS 880-100703/2-A

Lab Sample ID: LCSD 880-100703/3-A

**Matrix: Solid** 

**Matrix: Solid** 

Analysis Batch: 100936

Diesel Range Organics (Over

Analysis Batch: 100936

Client Sample ID: Method Blank

Prep Type: Total/NA

**Prep Batch: 100703** 

MB MB

Surrogate	%Recovery	Qualifier	Limits	F	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	01/2	20/25 15:20	01/23/25 18:01	1
o-Terphenyl	84		70 - 130	01/2	20/25 15:20	01/23/25 18:01	1

**Client Sample ID: Lab Control Sample** 

70 - 130

Prep Type: Total/NA

Prep Batch: 100703

Analysis Batch: 100936 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 1096 110 70 - 130 mg/Kg (GRO)-C6-C10

1103

mg/Kg

1000

C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	119		70 - 130
o-Terphenyl	114		70 - 130

Client Sample ID: Lab Control Sample Dup

110

Prep Type: Total/NA

**Prep Batch: 100703** 

Spike LCSD LCSD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Gasoline Range Organics 1000 1048 mg/Kg 105 70 - 130 5 20 (GRO)-C6-C10 1000 Diesel Range Organics (Over 1046 mg/Kg 105 70 - 130 5 20

C10-C28)

**Matrix: Solid** 

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	112	70 - 130
o-Terphenyl	107	70 - 130

Lab Sample ID: 880-53408-11 MS Client Sample ID: TH-6 (1') **Matrix: Solid** 

Prep Type: Total/NA

Analysis Batch: 100936 **Prep Batch: 100703** 

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.9	U	999	735.8		mg/Kg		70	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.9	U	999	763.4		mg/Kg		76	70 - 130	
040,000)										

C10-C28)

MS MS

Surrogate	%Recovery Qualifi	er Limits
1-Chlorooctane	81	70 - 130
o-Terphenyl	77	70 - 130

Client: Crain Environmental Project/Site: Lamunyon 22

Job ID: 880-53408-1 SDG: Lea Co, NM

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

Lab Sample ID: 880-53408-11 MSD

**Matrix: Solid** 

Analysis Batch: 100936

Client Sample ID: TH-6 (1') Prep Type: Total/NA

**Prep Batch: 100703** 

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U	999	746.4		mg/Kg		71	70 - 130	1	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U	999	759.2		mg/Kg		76	70 - 130	1	20
040,000)											

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	76		70 - 130

### Method: 300.0 - Anions, Ion Chromatography

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

Matrix: Solid

Analysis Batch: 100871

Client Sample ID: Method Blank

**Client Sample ID: Lab Control Sample** 

**Client Sample ID: Lab Control Sample Dup** 

**Prep Type: Soluble** 

Client Sample ID: TH-4 (1')

Client Sample ID: TH-4 (1')

MB MB

Analyte	Result Qualifier RL MDL Offit		U	Frepareu	Analyzeu	DII Fac			
Chloride	<10.0	U	10.0		mg/Kg			01/22/25 21:50	1

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

**Matrix: Solid** 

**Analysis Batch: 100871** 

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier I	Unit	D	%Rec	Limits	
Chloride	250	258.8	1	mg/Kg		104	90 - 110	

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

Matrix: Solid

Analysis Batch: 100871

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

Lab Sample ID: 880-53408-7 MS

**Matrix: Solid** 

Analysis Batch: 100871

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	43.0		250	309 4		ma/Ka		107	90 - 110	

Lab Sample ID: 880-53408-7 MSD

**Matrix: Solid** 

Analysis Batch: 100871											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	43.0		250	309.9		mg/Kg		107	90 - 110	0	20

Client: Crain Environmental Project/Site: Lamunyon 22

Job ID: 880-53408-1 SDG: Lea Co, NM

**Prep Type: Soluble** 

Client Sample ID: Method Blank

Client Sample ID: TH-9 (1')

Client Sample ID: TH-9 (1')

Client Sample ID: TH-14 (1')

Client Sample ID: TH-14 (1')

**Prep Type: Soluble** 

**Prep Type: Soluble** 

**Prep Type: Soluble** 

**Prep Type: Soluble** 

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-100806/1-A

**Matrix: Solid** 

Analysis Batch: 100904

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	I	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg				01/22/25 20:10	1

Lab Sample ID: LCS 880-100806/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 100904

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 256.4 mg/Kg 103 90 - 110

Lab Sample ID: LCSD 880-100806/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble** 

Analysis Batch: 100904

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit Limits **RPD** Limit Chloride 250 256.8 mg/Kg 103 90 - 110

Lab Sample ID: 880-53408-17 MS

**Matrix: Solid** 

Analysis Batch: 100904

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	219		252	488.5		mg/Kg		107	90 - 110	

Lab Sample ID: 880-53408-17 MSD

**Matrix: Solid** 

Analysis Batch: 100904

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	219		252	488.8		mg/Kg		107	90 - 110		20	

Lab Sample ID: 880-53408-27 MS

**Matrix: Solid** 

Analysis Batch: 100904

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	10.3		248	259.7		ma/Ka	_	101	90 110	

Lab Sample ID: 880-53408-27 MSD

**Matrix: Solid** 

Analysis Batch: 100904

Analysis Dateil. 100304											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	10.3		248	260.2		mg/Kg		101	90 - 110	0	20

Client: Crain Environmental Job ID: 880-53408-1 Project/Site: Lamunyon 22 SDG: Lea Co, NM

#### **GC VOA**

#### Analysis Batch: 100729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53408-21	TH-11 (1')	Total/NA	Solid	8021B	100735
880-53408-22	TH-11 (4.1')	Total/NA	Solid	8021B	100735
880-53408-23	TH-12 (1')	Total/NA	Solid	8021B	100735
880-53408-24	TH-12 (4.1')	Total/NA	Solid	8021B	100735
880-53408-25	TH-13 (1')	Total/NA	Solid	8021B	100735
880-53408-26	TH-13 (4.1')	Total/NA	Solid	8021B	100735
880-53408-27	TH-14 (1')	Total/NA	Solid	8021B	100735
880-53408-28	TH-14 (4.1')	Total/NA	Solid	8021B	100735
880-53408-29	TH-15 (1')	Total/NA	Solid	8021B	100735
880-53408-30	TH-15 (4.1')	Total/NA	Solid	8021B	100735
880-53408-31	TH-16 (1')	Total/NA	Solid	8021B	100735
880-53408-32	TH-16 (4.1')	Total/NA	Solid	8021B	100735
880-53408-33	TH-17 (1')	Total/NA	Solid	8021B	100735
880-53408-34	TH-17 (4.1')	Total/NA	Solid	8021B	100735
880-53408-35	TH-18 (1')	Total/NA	Solid	8021B	100735
880-53408-36	TH-18 (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
880-53408-21 MS	TH-11 (1')	Total/NA	Solid	8021B	100735
880-53408-21 MSD	TH-11 (1')	Total/NA	Solid	8021B	100735

#### Analysis Batch: 100731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53408-1	TH-1 (1')	Total/NA	Solid	8021B	100734
880-53408-2	TH-1 (4.1')	Total/NA	Solid	8021B	100734
880-53408-3	TH-2 (1')	Total/NA	Solid	8021B	100734
880-53408-4	TH-2 (4.1')	Total/NA	Solid	8021B	100734
880-53408-5	TH-3 (1')	Total/NA	Solid	8021B	100734
880-53408-6	TH-3 (4.1')	Total/NA	Solid	8021B	100734
880-53408-7	TH-4 (1')	Total/NA	Solid	8021B	100734
880-53408-8	TH-4 (4.1')	Total/NA	Solid	8021B	100734
880-53408-9	TH-5 (1')	Total/NA	Solid	8021B	100734
880-53408-10	TH-5 (4.1')	Total/NA	Solid	8021B	100734
880-53408-11	TH-6 (1')	Total/NA	Solid	8021B	100734
880-53408-12	TH-6 (4.1')	Total/NA	Solid	8021B	100734
880-53408-13	TH-7 (1')	Total/NA	Solid	8021B	100734
880-53408-14	TH-7 (4.1')	Total/NA	Solid	8021B	100734
880-53408-15	TH-8 (1')	Total/NA	Solid	8021B	100734
880-53408-16	TH-8 (4.1')	Total/NA	Solid	8021B	100734
880-53408-17	TH-9 (1')	Total/NA	Solid	8021B	100734
880-53408-18	TH-9 (4.1')	Total/NA	Solid	8021B	100734
880-53408-19	TH-10 (1')	Total/NA	Solid	8021B	100734
880-53408-20	TH-10 (4.1')	Total/NA	Solid	8021B	100734
MB 880-100734/5-A	Method Blank	Total/NA	Solid	8021B	100734
LCS 880-100734/1-A	Lab Control Sample	Total/NA	Solid	8021B	100734
LCSD 880-100734/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100734
880-53408-1 MS	TH-1 (1')	Total/NA	Solid	8021B	100734
880-53408-1 MSD	TH-1 (1')	Total/NA	Solid	8021B	100734

Client: Crain Environmental
Project/Site: Lamunyon 22
Job ID: 880-53408-1
SDG: Lea Co, NM

### **GC VOA**

#### Prep Batch: 100734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-53408-1	TH-1 (1')	Total/NA	Solid	5035	
880-53408-2	TH-1 (4.1')	Total/NA	Solid	5035	
880-53408-3	TH-2 (1')	Total/NA	Solid	5035	
880-53408-4	TH-2 (4.1')	Total/NA	Solid	5035	
880-53408-5	TH-3 (1')	Total/NA	Solid	5035	
880-53408-6	TH-3 (4.1')	Total/NA	Solid	5035	
880-53408-7	TH-4 (1')	Total/NA	Solid	5035	
880-53408-8	TH-4 (4.1')	Total/NA	Solid	5035	
880-53408-9	TH-5 (1')	Total/NA	Solid	5035	
880-53408-10	TH-5 (4.1')	Total/NA	Solid	5035	
880-53408-11	TH-6 (1')	Total/NA	Solid	5035	
880-53408-12	TH-6 (4.1')	Total/NA	Solid	5035	
880-53408-13	TH-7 (1')	Total/NA	Solid	5035	
880-53408-14	TH-7 (4.1')	Total/NA	Solid	5035	
880-53408-15	TH-8 (1')	Total/NA	Solid	5035	
880-53408-16	TH-8 (4.1')	Total/NA	Solid	5035	
880-53408-17	TH-9 (1')	Total/NA	Solid	5035	
880-53408-18	TH-9 (4.1')	Total/NA	Solid	5035	
880-53408-19	TH-10 (1')	Total/NA	Solid	5035	
880-53408-20	TH-10 (4.1')	Total/NA	Solid	5035	
MB 880-100734/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100734/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100734/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53408-1 MS	TH-1 (1')	Total/NA	Solid	5035	
880-53408-1 MSD	TH-1 (1')	Total/NA	Solid	5035	

#### Prep Batch: 100735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-53408-21	TH-11 (1')	Total/NA	Solid	5035	
880-53408-22	TH-11 (4.1')	Total/NA	Solid	5035	
880-53408-23	TH-12 (1')	Total/NA	Solid	5035	
380-53408-24	TH-12 (4.1')	Total/NA	Solid	5035	
380-53408-25	TH-13 (1')	Total/NA	Solid	5035	
380-53408-26	TH-13 (4.1')	Total/NA	Solid	5035	
880-53408-27	TH-14 (1')	Total/NA	Solid	5035	
880-53408-28	TH-14 (4.1')	Total/NA	Solid	5035	
880-53408-29	TH-15 (1')	Total/NA	Solid	5035	
80-53408-30	TH-15 (4.1')	Total/NA	Solid	5035	
80-53408-31	TH-16 (1')	Total/NA	Solid	5035	
80-53408-32	TH-16 (4.1')	Total/NA	Solid	5035	
80-53408-33	TH-17 (1')	Total/NA	Solid	5035	
80-53408-34	TH-17 (4.1')	Total/NA	Solid	5035	
80-53408-35	TH-18 (1')	Total/NA	Solid	5035	
80-53408-36	TH-18 (4.1')	Total/NA	Solid	5035	
/IB 880-100735/5-A	Method Blank	Total/NA	Solid	5035	
.CS 880-100735/1-A	Lab Control Sample	Total/NA	Solid	5035	
CSD 880-100735/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
80-53408-21 MS	TH-11 (1')	Total/NA	Solid	5035	
880-53408-21 MSD	TH-11 (1')	Total/NA	Solid	5035	

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Client: Crain Environmental Job ID: 880-53408-1
Project/Site: Lamunyon 22 SDG: Lea Co, NM

#### **GC VOA**

#### Analysis Batch: 100864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53408-1	TH-1 (1')	Total/NA	Solid	Total BTEX	
880-53408-2	TH-1 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-3	TH-2 (1')	Total/NA	Solid	Total BTEX	
880-53408-4	TH-2 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-5	TH-3 (1')	Total/NA	Solid	Total BTEX	
880-53408-6	TH-3 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-7	TH-4 (1')	Total/NA	Solid	Total BTEX	
880-53408-8	TH-4 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-9	TH-5 (1')	Total/NA	Solid	Total BTEX	
880-53408-10	TH-5 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-11	TH-6 (1')	Total/NA	Solid	Total BTEX	
880-53408-12	TH-6 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-13	TH-7 (1')	Total/NA	Solid	Total BTEX	
880-53408-14	TH-7 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-15	TH-8 (1')	Total/NA	Solid	Total BTEX	
880-53408-16	TH-8 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-17	TH-9 (1')	Total/NA	Solid	Total BTEX	
880-53408-18	TH-9 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-19	TH-10 (1')	Total/NA	Solid	Total BTEX	
880-53408-20	TH-10 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-21	TH-11 (1')	Total/NA	Solid	Total BTEX	
880-53408-22	TH-11 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-23	TH-12 (1')	Total/NA	Solid	Total BTEX	
880-53408-24	TH-12 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-25	TH-13 (1')	Total/NA	Solid	Total BTEX	
880-53408-26	TH-13 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-27	TH-14 (1')	Total/NA	Solid	Total BTEX	
880-53408-28	TH-14 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-29	TH-15 (1')	Total/NA	Solid	Total BTEX	
880-53408-30	TH-15 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-31	TH-16 (1')	Total/NA	Solid	Total BTEX	
880-53408-32	TH-16 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-33	TH-17 (1')	Total/NA	Solid	Total BTEX	
880-53408-34	TH-17 (4.1')	Total/NA	Solid	Total BTEX	
880-53408-35	TH-18 (1')	Total/NA	Solid	Total BTEX	
880-53408-36	TH-18 (4.1')	Total/NA	Solid	Total BTEX	

### GC Semi VOA

#### Prep Batch: 100626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53408-31	TH-16 (1')	Total/NA	Solid	8015NM Prep	
880-53408-32	TH-16 (4.1')	Total/NA	Solid	8015NM Prep	
880-53408-33	TH-17 (1')	Total/NA	Solid	8015NM Prep	
880-53408-34	TH-17 (4.1')	Total/NA	Solid	8015NM Prep	
880-53408-35	TH-18 (1')	Total/NA	Solid	8015NM Prep	
880-53408-36	TH-18 (4.1')	Total/NA	Solid	8015NM Prep	
MB 880-100626/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100626/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100626/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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Client: Crain Environmental Job ID: 880-53408-1
Project/Site: Lamunyon 22 SDG: Lea Co, NM

#### GC Semi VOA

#### Analysis Batch: 100648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53408-31	TH-16 (1')	Total/NA	Solid	8015B NM	100626
880-53408-32	TH-16 (4.1')	Total/NA	Solid	8015B NM	100626
880-53408-33	TH-17 (1')	Total/NA	Solid	8015B NM	100626
880-53408-34	TH-17 (4.1')	Total/NA	Solid	8015B NM	100626
880-53408-35	TH-18 (1')	Total/NA	Solid	8015B NM	100626
880-53408-36	TH-18 (4.1')	Total/NA	Solid	8015B NM	100626
MB 880-100626/1-A	Method Blank	Total/NA	Solid	8015B NM	100626
LCS 880-100626/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100626
LCSD 880-100626/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100626

#### **Prep Batch: 100702**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53408-1	TH-1 (1')	Total/NA	Solid	8015NM Prep	
880-53408-2	TH-1 (4.1')	Total/NA	Solid	8015NM Prep	
880-53408-3	TH-2 (1')	Total/NA	Solid	8015NM Prep	
880-53408-4	TH-2 (4.1')	Total/NA	Solid	8015NM Prep	
880-53408-5	TH-3 (1')	Total/NA	Solid	8015NM Prep	
880-53408-6	TH-3 (4.1')	Total/NA	Solid	8015NM Prep	
880-53408-7	TH-4 (1')	Total/NA	Solid	8015NM Prep	
880-53408-8	TH-4 (4.1')	Total/NA	Solid	8015NM Prep	
880-53408-9	TH-5 (1')	Total/NA	Solid	8015NM Prep	
880-53408-10	TH-5 (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	

#### Prep Batch: 100703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-53408-11	TH-6 (1')	Total/NA	Solid	8015NM Prep	
880-53408-12	TH-6 (4.1')	Total/NA	Solid	8015NM Prep	
880-53408-13	TH-7 (1')	Total/NA	Solid	8015NM Prep	
880-53408-14	TH-7 (4.1')	Total/NA	Solid	8015NM Prep	
880-53408-15	TH-8 (1')	Total/NA	Solid	8015NM Prep	
880-53408-16	TH-8 (4.1')	Total/NA	Solid	8015NM Prep	
880-53408-17	TH-9 (1')	Total/NA	Solid	8015NM Prep	
880-53408-18	TH-9 (4.1')	Total/NA	Solid	8015NM Prep	
880-53408-19	TH-10 (1')	Total/NA	Solid	8015NM Prep	
880-53408-20	TH-10 (4.1')	Total/NA	Solid	8015NM Prep	
880-53408-21	TH-11 (1')	Total/NA	Solid	8015NM Prep	
880-53408-22	TH-11 (4.1')	Total/NA	Solid	8015NM Prep	
880-53408-23	TH-12 (1')	Total/NA	Solid	8015NM Prep	
880-53408-24	TH-12 (4.1')	Total/NA	Solid	8015NM Prep	
880-53408-25	TH-13 (1')	Total/NA	Solid	8015NM Prep	
880-53408-26	TH-13 (4.1')	Total/NA	Solid	8015NM Prep	
880-53408-27	TH-14 (1')	Total/NA	Solid	8015NM Prep	
880-53408-28	TH-14 (4.1')	Total/NA	Solid	8015NM Prep	
880-53408-29	TH-15 (1')	Total/NA	Solid	8015NM Prep	
880-53408-30	TH-15 (4.1')	Total/NA	Solid	8015NM Prep	
MB 880-100703/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100703/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100703/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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Client: Crain Environmental Job ID: 880-53408-1 Project/Site: Lamunyon 22 SDG: Lea Co, NM

### GC Semi VOA (Continued)

#### Prep Batch: 100703 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53408-11 MS	TH-6 (1')	Total/NA	Solid	8015NM Prep	
880-53408-11 MSD	TH-6 (1')	Total/NA	Solid	8015NM Prep	

#### Analysis Batch: 100768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-53408-1	TH-1 (1')	Total/NA	Solid	8015 NM	
880-53408-2	TH-1 (4.1')	Total/NA	Solid	8015 NM	
880-53408-3	TH-2 (1')	Total/NA	Solid	8015 NM	
880-53408-4	TH-2 (4.1')	Total/NA	Solid	8015 NM	
880-53408-5	TH-3 (1')	Total/NA	Solid	8015 NM	
880-53408-6	TH-3 (4.1')	Total/NA	Solid	8015 NM	
880-53408-7	TH-4 (1')	Total/NA	Solid	8015 NM	
880-53408-8	TH-4 (4.1')	Total/NA	Solid	8015 NM	
880-53408-9	TH-5 (1')	Total/NA	Solid	8015 NM	
880-53408-10	TH-5 (4.1')	Total/NA	Solid	8015 NM	
880-53408-11	TH-6 (1')	Total/NA	Solid	8015 NM	
880-53408-12	TH-6 (4.1')	Total/NA	Solid	8015 NM	
880-53408-13	TH-7 (1')	Total/NA	Solid	8015 NM	
880-53408-14	TH-7 (4.1')	Total/NA	Solid	8015 NM	
880-53408-15	TH-8 (1')	Total/NA	Solid	8015 NM	
880-53408-16	TH-8 (4.1')	Total/NA	Solid	8015 NM	
880-53408-17	TH-9 (1')	Total/NA	Solid	8015 NM	
880-53408-18	TH-9 (4.1')	Total/NA	Solid	8015 NM	
880-53408-19	TH-10 (1')	Total/NA	Solid	8015 NM	
880-53408-20	TH-10 (4.1')	Total/NA	Solid	8015 NM	
880-53408-21	TH-11 (1')	Total/NA	Solid	8015 NM	
880-53408-22	TH-11 (4.1')	Total/NA	Solid	8015 NM	
880-53408-23	TH-12 (1')	Total/NA	Solid	8015 NM	
880-53408-24	TH-12 (4.1')	Total/NA	Solid	8015 NM	
880-53408-25	TH-13 (1')	Total/NA	Solid	8015 NM	
880-53408-26	TH-13 (4.1')	Total/NA	Solid	8015 NM	
880-53408-27	TH-14 (1')	Total/NA	Solid	8015 NM	
880-53408-28	TH-14 (4.1')	Total/NA	Solid	8015 NM	
880-53408-29	TH-15 (1')	Total/NA	Solid	8015 NM	
880-53408-30	TH-15 (4.1')	Total/NA	Solid	8015 NM	
880-53408-31	TH-16 (1')	Total/NA	Solid	8015 NM	
880-53408-32	TH-16 (4.1')	Total/NA	Solid	8015 NM	
880-53408-33	TH-17 (1')	Total/NA	Solid	8015 NM	
880-53408-34	TH-17 (4.1')	Total/NA	Solid	8015 NM	
880-53408-35	TH-18 (1')	Total/NA	Solid	8015 NM	
880-53408-36	TH-18 (4.1')	Total/NA	Solid	8015 NM	

#### Analysis Batch: 100857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53408-1	TH-1 (1')	Total/NA	Solid	8015B NM	100702
880-53408-2	TH-1 (4.1')	Total/NA	Solid	8015B NM	100702
880-53408-3	TH-2 (1')	Total/NA	Solid	8015B NM	100702
880-53408-4	TH-2 (4.1')	Total/NA	Solid	8015B NM	100702
880-53408-5	TH-3 (1')	Total/NA	Solid	8015B NM	100702
880-53408-6	TH-3 (4.1')	Total/NA	Solid	8015B NM	100702
880-53408-7	TH-4 (1')	Total/NA	Solid	8015B NM	100702

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Client: Crain Environmental Job ID: 880-53408-1 Project/Site: Lamunyon 22 SDG: Lea Co, NM

### GC Semi VOA (Continued)

### Analysis Batch: 100857 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53408-8	TH-4 (4.1')	Total/NA	Solid	8015B NM	100702
880-53408-9	TH-5 (1')	Total/NA	Solid	8015B NM	100702
880-53408-10	TH-5 (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

#### Analysis Batch: 100936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53408-11	TH-6 (1')	Total/NA	Solid	8015B NM	100703
880-53408-12	TH-6 (4.1')	Total/NA	Solid	8015B NM	100703
880-53408-13	TH-7 (1')	Total/NA	Solid	8015B NM	100703
880-53408-14	TH-7 (4.1')	Total/NA	Solid	8015B NM	100703
880-53408-15	TH-8 (1')	Total/NA	Solid	8015B NM	100703
880-53408-16	TH-8 (4.1')	Total/NA	Solid	8015B NM	100703
880-53408-17	TH-9 (1')	Total/NA	Solid	8015B NM	100703
880-53408-18	TH-9 (4.1')	Total/NA	Solid	8015B NM	100703
880-53408-19	TH-10 (1')	Total/NA	Solid	8015B NM	100703
880-53408-20	TH-10 (4.1')	Total/NA	Solid	8015B NM	100703
880-53408-21	TH-11 (1')	Total/NA	Solid	8015B NM	100703
880-53408-22	TH-11 (4.1')	Total/NA	Solid	8015B NM	100703
880-53408-23	TH-12 (1')	Total/NA	Solid	8015B NM	100703
880-53408-24	TH-12 (4.1')	Total/NA	Solid	8015B NM	100703
880-53408-25	TH-13 (1')	Total/NA	Solid	8015B NM	100703
880-53408-26	TH-13 (4.1')	Total/NA	Solid	8015B NM	100703
880-53408-27	TH-14 (1')	Total/NA	Solid	8015B NM	100703
880-53408-28	TH-14 (4.1')	Total/NA	Solid	8015B NM	100703
880-53408-29	TH-15 (1')	Total/NA	Solid	8015B NM	100703
880-53408-30	TH-15 (4.1')	Total/NA	Solid	8015B NM	100703
MB 880-100703/1-A	Method Blank	Total/NA	Solid	8015B NM	100703
LCS 880-100703/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100703
LCSD 880-100703/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100703
880-53408-11 MS	TH-6 (1')	Total/NA	Solid	8015B NM	100703
880-53408-11 MSD	TH-6 (1')	Total/NA	Solid	8015B NM	100703

#### HPLC/IC

#### Leach Batch: 100805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53408-1	TH-1 (1')	Soluble	Solid	DI Leach	_
880-53408-2	TH-1 (4.1')	Soluble	Solid	DI Leach	
880-53408-3	TH-2 (1')	Soluble	Solid	DI Leach	
880-53408-4	TH-2 (4.1')	Soluble	Solid	DI Leach	
880-53408-5	TH-3 (1')	Soluble	Solid	DI Leach	
880-53408-6	TH-3 (4.1')	Soluble	Solid	DI Leach	
880-53408-7	TH-4 (1')	Soluble	Solid	DI Leach	
880-53408-8	TH-4 (4.1')	Soluble	Solid	DI Leach	
880-53408-9	TH-5 (1')	Soluble	Solid	DI Leach	
880-53408-10	TH-5 (4.1')	Soluble	Solid	DI Leach	
880-53408-11	TH-6 (1')	Soluble	Solid	DI Leach	
880-53408-12	TH-6 (4.1')	Soluble	Solid	DI Leach	

Client: Crain Environmental Job ID: 880-53408-1 Project/Site: Lamunyon 22

SDG: Lea Co, NM

### **HPLC/IC** (Continued)

#### Leach Batch: 100805 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53408-13	TH-7 (1')	Soluble	Solid	DI Leach	
880-53408-14	TH-7 (4.1')	Soluble	Solid	DI Leach	
880-53408-15	TH-8 (1')	Soluble	Solid	DI Leach	
880-53408-16	TH-8 (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	
880-53408-7 MS	TH-4 (1')	Soluble	Solid	DI Leach	
880-53408-7 MSD	TH-4 (1')	Soluble	Solid	DI Leach	

#### Leach Batch: 100806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53408-17	TH-9 (1')	Soluble	Solid	DI Leach	
880-53408-18	TH-9 (4.1')	Soluble	Solid	DI Leach	
880-53408-19	TH-10 (1')	Soluble	Solid	DI Leach	
880-53408-20	TH-10 (4.1')	Soluble	Solid	DI Leach	
880-53408-21	TH-11 (1')	Soluble	Solid	DI Leach	
880-53408-22	TH-11 (4.1')	Soluble	Solid	DI Leach	
880-53408-23	TH-12 (1')	Soluble	Solid	DI Leach	
880-53408-24	TH-12 (4.1')	Soluble	Solid	DI Leach	
880-53408-25	TH-13 (1')	Soluble	Solid	DI Leach	
880-53408-26	TH-13 (4.1')	Soluble	Solid	DI Leach	
880-53408-27	TH-14 (1')	Soluble	Solid	DI Leach	
880-53408-28	TH-14 (4.1')	Soluble	Solid	DI Leach	
880-53408-29	TH-15 (1')	Soluble	Solid	DI Leach	
880-53408-30	TH-15 (4.1')	Soluble	Solid	DI Leach	
880-53408-31	TH-16 (1')	Soluble	Solid	DI Leach	
880-53408-32	TH-16 (4.1')	Soluble	Solid	DI Leach	
880-53408-33	TH-17 (1')	Soluble	Solid	DI Leach	
880-53408-34	TH-17 (4.1')	Soluble	Solid	DI Leach	
880-53408-35	TH-18 (1')	Soluble	Solid	DI Leach	
880-53408-36	TH-18 (4.1')	Soluble	Solid	DI Leach	
MB 880-100806/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100806/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100806/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53408-17 MS	TH-9 (1')	Soluble	Solid	DI Leach	
880-53408-17 MSD	TH-9 (1')	Soluble	Solid	DI Leach	
880-53408-27 MS	TH-14 (1')	Soluble	Solid	DI Leach	
880-53408-27 MSD	TH-14 (1')	Soluble	Solid	DI Leach	

#### Analysis Batch: 100871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53408-1	TH-1 (1')	Soluble	Solid	300.0	100805
880-53408-2	TH-1 (4.1')	Soluble	Solid	300.0	100805
880-53408-3	TH-2 (1')	Soluble	Solid	300.0	100805
880-53408-4	TH-2 (4.1')	Soluble	Solid	300.0	100805
880-53408-5	TH-3 (1')	Soluble	Solid	300.0	100805
880-53408-6	TH-3 (4.1')	Soluble	Solid	300.0	100805
880-53408-7	TH-4 (1')	Soluble	Solid	300.0	100805
880-53408-8	TH-4 (4.1')	Soluble	Solid	300.0	100805
880-53408-9	TH-5 (1')	Soluble	Solid	300.0	100805

Client: Crain Environmental Job ID: 880-53408-1
Project/Site: Lamunyon 22 SDG: Lea Co, NM

### **HPLC/IC** (Continued)

#### Analysis Batch: 100871 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53408-10	TH-5 (4.1')	Soluble	Solid	300.0	100805
880-53408-11	TH-6 (1')	Soluble	Solid	300.0	100805
880-53408-12	TH-6 (4.1')	Soluble	Solid	300.0	100805
880-53408-13	TH-7 (1')	Soluble	Solid	300.0	100805
880-53408-14	TH-7 (4.1')	Soluble	Solid	300.0	100805
880-53408-15	TH-8 (1')	Soluble	Solid	300.0	100805
880-53408-16	TH-8 (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
880-53408-7 MS	TH-4 (1')	Soluble	Solid	300.0	100805
880-53408-7 MSD	TH-4 (1')	Soluble	Solid	300.0	100805

#### Analysis Batch: 100904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53408-17	TH-9 (1')	Soluble	Solid	300.0	100806
880-53408-18	TH-9 (4.1')	Soluble	Solid	300.0	100806
880-53408-19	TH-10 (1')	Soluble	Solid	300.0	100806
880-53408-20	TH-10 (4.1')	Soluble	Solid	300.0	100806
880-53408-21	TH-11 (1')	Soluble	Solid	300.0	100806
880-53408-22	TH-11 (4.1')	Soluble	Solid	300.0	100806
880-53408-23	TH-12 (1')	Soluble	Solid	300.0	100806
880-53408-24	TH-12 (4.1')	Soluble	Solid	300.0	100806
880-53408-25	TH-13 (1')	Soluble	Solid	300.0	100806
880-53408-26	TH-13 (4.1')	Soluble	Solid	300.0	100806
880-53408-27	TH-14 (1')	Soluble	Solid	300.0	100806
880-53408-28	TH-14 (4.1')	Soluble	Solid	300.0	100806
880-53408-29	TH-15 (1')	Soluble	Solid	300.0	100806
880-53408-30	TH-15 (4.1')	Soluble	Solid	300.0	100806
880-53408-31	TH-16 (1')	Soluble	Solid	300.0	100806
880-53408-32	TH-16 (4.1')	Soluble	Solid	300.0	100806
880-53408-33	TH-17 (1')	Soluble	Solid	300.0	100806
880-53408-34	TH-17 (4.1')	Soluble	Solid	300.0	100806
880-53408-35	TH-18 (1')	Soluble	Solid	300.0	100806
880-53408-36	TH-18 (4.1')	Soluble	Solid	300.0	100806
MB 880-100806/1-A	Method Blank	Soluble	Solid	300.0	100806
LCS 880-100806/2-A	Lab Control Sample	Soluble	Solid	300.0	100806
LCSD 880-100806/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100806
880-53408-17 MS	TH-9 (1')	Soluble	Solid	300.0	100806
880-53408-17 MSD	TH-9 (1')	Soluble	Solid	300.0	100806
880-53408-27 MS	TH-14 (1')	Soluble	Solid	300.0	100806
880-53408-27 MSD	TH-14 (1')	Soluble	Solid	300.0	100806

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Job ID: 880-53408-1 SDG: Lea Co, NM

Client: Crain Environmental Project/Site: Lamunyon 22 Client Sample ID: TH-1 (1')

Lab Sample ID: 880-53408-1

**Matrix: Solid** 

Date Collected: 01/16/25 15:55 Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 11:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 11:44	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/22/25 21:27	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 21:27	TKC	EET MID
Soluble	Leach	DI Leach			5.03 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 22:41	CH	EET MID

Client Sample ID: TH-1 (4.1') Lab Sample ID: 880-53408-2

Date Collected: 01/16/25 16:10 **Matrix: Solid** Date Received: 01/20/25 14:10

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 Total/NA Prep 4.95 g 5 mL 100734 01/21/25 08:45 AA EET MID Total/NA 8021B 5 mL 100731 01/21/25 12:05 **EET MID** Analysis 1 5 mL MNR Total/NA Total BTEX 100864 01/21/25 12:05 MNR Analysis 1 **EET MID** Total/NA Analysis 8015 NM 100768 01/22/25 21:42 SM **EET MID** Total/NA 100702 01/20/25 15:15 EL Prep 8015NM Prep 10.02 g 10 mL **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 100857 01/22/25 21:42 TKC **EET MID** Soluble 01/21/25 15:42 Leach DI Leach 5.00 g 50 mL 100805 SA EET MID Soluble Analysis 300.0 50 mL 50 mL 100871 01/22/25 22:58 СН **EET MID** 

Lab Sample ID: 880-53408-3 Client Sample ID: TH-2 (1') Date Collected: 01/16/25 16:15 **Matrix: Solid** 

Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 12:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 12:25	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/22/25 21:56	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 21:56	TKC	EET MID
Soluble	Leach	DI Leach			4.99 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 23:04	CH	EET MID

Client Sample ID: TH-2 (4.1') Lab Sample ID: 880-53408-4

Date Collected: 01/16/25 16:30 Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 12:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 12:46	MNR	EET MID

**Eurofins Midland** 

Job ID: 880-53408-1

SDG: Lea Co, NM

Client Sample ID: TH-2 (4.1')

Client: Crain Environmental

Project/Site: Lamunyon 22

Date Collected: 01/16/25 16:30 Date Received: 01/20/25 14:10 Lab Sample ID: 880-53408-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			100768	01/22/25 22:12	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 22:12	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 23:09	CH	EET MID

Client Sample ID: TH-3 (1') Lab Sample ID: 880-53408-5 Date Collected: 01/16/25 16:35 **Matrix: Solid** 

Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 13:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 13:06	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/22/25 22:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 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 22:26	TKC	EET MID
Soluble	Leach	DI Leach			4.98 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 23:15	CH	EET MID

Client Sample ID: TH-3 (4.1') Lab Sample ID: 880-53408-6 Date Collected: 01/16/25 16:50 **Matrix: Solid** 

Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 13:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 13:27	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/22/25 22:40	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 22:40	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	100805	01/21/25 15:42	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	100871	01/22/25 23:21	CH	EET MID

Lab Sample ID: 880-53408-7 Client Sample ID: TH-4 (1')

Date Collected: 01/16/25 16:55 Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 13:47	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/22/25 22:55	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.05 g 1 uL	10 mL 1 uL	100702 100857	01/20/25 15:15 01/22/25 22:55	EL TKC	EET MID EET MID

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**Matrix: Solid** 

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Job ID: 880-53408-1

SDG: Lea Co, NM

Client Sample ID: TH-4 (1')

Client: Crain Environmental

Project/Site: Lamunyon 22

Date Collected: 01/16/25 16:55 Date Received: 01/20/25 14:10 Lab Sample ID: 880-53408-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 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 23:26	CH	EET MID

Client Sample ID: TH-4 (4.1') Lab Sample ID: 880-53408-8

**Matrix: Solid** 

Date Collected: 01/16/25 17:10 Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 14:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 14:07	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/22/25 23:09	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 23:09	TKC	EET MID
Soluble	Leach	DI Leach			5.00 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 23:43	CH	EET MID

Client Sample ID: TH-5 (1') Lab Sample ID: 880-53408-9

Date Collected: 01/16/25 17:15 **Matrix: Solid** 

Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 14:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 14:28	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/22/25 23:25	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 23:25	TKC	EET MID
Soluble	Leach	DI Leach			5.01 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 23:49	CH	EET MID

Client Sample ID: TH-5 (4.1') Lab Sample ID: 880-53408-10

Date Collected: 01/16/25 17:30 Date Received: 01/20/25 14:10

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 14:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 14:48	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/22/25 23:39	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 23:39	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	01/23/25 00:06	CH	EET MID

**Eurofins Midland** 

Client: Crain Environmental

Lab Sample ID: 880-53408-12

Lab Sample ID: 880-53408-13

Lab Sample ID: 880-53408-14

Matrix: Solid

**Matrix: Solid** 

EET MID

**Matrix: Solid** 

Client Sample ID: TH-6 (1')

Date Collected: 01/16/25 17:35 Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 18:40	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 18:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 18:46	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100805	01/21/25 15:42	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	100871	01/23/25 00:12	CH	EET MID

Client Sample ID: TH-6 (4.1')

Date Collected: 01/16/25 17:50

Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 19:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 19:00	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 19:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 19:31	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100805	01/21/25 15:42	SA	EET MID

50 mL

50 mL

100871

01/23/25 00:18

10

Client Sample ID: TH-7 (1')

Analysis

300.0

Soluble

Date Collected: 01/16/25 17:55

Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 19:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 19:20	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 19:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 19:45	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100805	01/21/25 15:42	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100871	01/23/25 00:24	CH	EET MID

Client Sample ID: TH-7 (4.1')

Date Collected: 01/16/25 18:10

Date Received: 01/20/25 14:10

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 19:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 19:41	MNR	EET MID

**Eurofins Midland** 

**Matrix: Solid** 

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SDG: Lea Co, NM

Project/Site: Lamunyon 22 Client Sample ID: TH-7 (4.1')

Client: Crain Environmental

Lab Sample ID: 880-53408-14

Matrix: Solid

Date Collected: 01/16/25 18:10 Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			100768	01/23/25 20:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 20:00	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	100805	01/21/25 15:42	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100871	01/23/25 00:29	CH	EET MID

Lab Sample ID: 880-53408-15

**Matrix: Solid** 

Date Collected: 01/17/25 09:25 Date Received: 01/20/25 14:10

Client Sample ID: TH-8 (1')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 20:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 20:01	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 20:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 20:13	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100805	01/21/25 15:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100871	01/23/25 00:35	CH	EET MID

Client Sample ID: TH-8 (4.1') Lab Sample ID: 880-53408-16 Date Collected: 01/17/25 09:35 **Matrix: Solid** 

Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 20:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 20:22	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 20:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 20:29	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	100805	01/21/25 15:42	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	100871	01/23/25 00:41	CH	EET MID

Lab Sample ID: 880-53408-17 Client Sample ID: TH-9 (1')

Date Collected: 01/17/25 09:45 Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 20:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 20:42	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 20:43	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.02 g 1 uL	10 mL 1 uL	100703 100936	01/20/25 15:20 01/23/25 20:43	EL TKC	EET MID EET MID

**Eurofins Midland** 

Job ID: 880-53408-1

SDG: Lea Co, NM

Client Sample ID: TH-9 (1')

Client: Crain Environmental

Project/Site: Lamunyon 22

Date Collected: 01/17/25 09:45 Date Received: 01/20/25 14:10 Lab Sample ID: 880-53408-17

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100904	01/22/25 20:27	CH	EET MID

Client Sample ID: TH-9 (4.1') Lab Sample ID: 880-53408-18

Date Collected: 01/17/25 10:00 Date Received: 01/20/25 14:10

**Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 21:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 21:03	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 20:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 20:58	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100904	01/22/25 20:45	CH	EET MID

Client Sample ID: TH-10 (1') Lab Sample ID: 880-53408-19

Date Collected: 01/17/25 10:05

Date Received: 01/20/25 14:10

**Matrix: Solid** 

<del>_</del>	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 21:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 21:24	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 21:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 21:12	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100904	01/22/25 20:51	CH	EET MID

Client Sample ID: TH-10 (4.1') Lab Sample ID: 880-53408-20

Date Collected: 01/17/25 10:20 Date Received: 01/20/25 14:10

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100734	01/21/25 08:45	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100731	01/21/25 21:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 21:44	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 21:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 21:27	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100904	01/22/25 20:57	CH	EET MID

**Eurofins Midland** 

Job ID: 880-53408-1 SDG: Lea Co, NM

Client: Crain Environmental Project/Site: Lamunyon 22 Client Sample ID: TH-11 (1')

Lab Sample ID: 880-53408-21

Date Collected: 01/17/25 10:25 Date Received: 01/20/25 14:10 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 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 11:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 11:45	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 21:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 21:56	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100904	01/22/25 21:03	CH	EET MID

Lab Sample ID: 880-53408-22

Date Collected: 01/17/25 10:40

Client Sample ID: TH-11 (4.1')

Date Received: 01/20/25 14:10

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	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 12:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 12:06	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 22:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 22:11	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100904	01/22/25 21:21	CH	EET MID

Client Sample ID: TH-12 (1') Lab Sample ID: 880-53408-23

Date Collected: 01/17/25 10:45 Date Received: 01/20/25 14:10 **Matrix: Solid** 

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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 12:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 12:26	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 22:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 22:25	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100904	01/22/25 21:27	CH	EET MID

Client Sample ID: TH-12 (4.1') Lab Sample ID: 880-53408-24

Date Collected: 01/17/25 11:00 Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 12:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 12:46	MNR	EET MID

**Eurofins Midland** 

Leach

Leach

Analysis

DI Leach

DI Leach

300.0

300.0

Soluble

Soluble

Soluble

Soluble

Job ID: 880-53408-1 SDG: Lea Co, NM

**EET MID** 

**EET MID** 

**EET MID** 

**EET MID** 

Client: Crain Environmental Project/Site: Lamunyon 22

Lab Sample ID: 880-53408-24

SA

СН

SA

СН

Client Sample ID: TH-12 (4.1') Date Collected: 01/17/25 11:00 **Matrix: Solid** Date Received: 01/20/25 14:10

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 8015 NM 100768 Analysis 01/23/25 22:41 SM **EET MID** Total/NA Prep 8015NM Prep 10.04 g 10 mL 100703 01/20/25 15:20 EL **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 100936 01/23/25 22:41 TKC **EET MID** 

Analysis Client Sample ID: TH-13 (1') Lab Sample ID: 880-53408-25

50

5.03 g

50 mL

100806

100904

100806

100904

50 mL

50 mL

50 mL

50 mL

01/21/25 15:44

01/22/25 21:33

01/21/25 15:44

01/22/25 21:38

Date Collected: 01/17/25 11:05 **Matrix: Solid** Date Received: 01/20/25 14:10

-	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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 13:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 13:07	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 22:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 22:55	TKC	EET MID

Client Sample ID: TH-13 (4.1') Lab Sample ID: 880-53408-26

5.01 g

50 mL

Date Collected: 01/17/25 11:20 **Matrix: Solid** Date Received: 01/20/25 14:10

1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 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 13:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 13:27	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 23:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 23:10	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100904	01/22/25 21:44	CH	EET MID

Client Sample ID: TH-14 (1') Lab Sample ID: 880-53408-27

Date Collected: 01/17/25 11:25 **Matrix: Solid** Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 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 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 13:47	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 23:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 23:24	TKC	EET MID

Job ID: 880-53408-1 SDG: Lea Co, NM

Client Sample ID: TH-14 (1')

Client: Crain Environmental

Project/Site: Lamunyon 22

Date Collected: 01/17/25 11:25 Date Received: 01/20/25 14:10 Lab Sample ID: 880-53408-27

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100904	01/22/25 21:50	CH	EET MID

Client Sample ID: TH-14 (4.1') Lab Sample ID: 880-53408-28

Date Collected: 01/17/25 11:40 **Matrix: Solid** 

Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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 14:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 14:08	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 23:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 23:39	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	100904	01/22/25 22:08	CH	EET MID

Lab Sample ID: 880-53408-29 Client Sample ID: TH-15 (1')

Date Collected: 01/17/25 11:45 **Matrix: Solid** Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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 14:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 14:28	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/23/25 23:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/23/25 23:54	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100904	01/22/25 22:14	CH	EET MID

Client Sample ID: TH-15 (4.1') Lab Sample ID: 880-53408-30

Date Collected: 01/17/25 12:00 Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 14:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 14:49	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/24/25 00:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100703	01/20/25 15:20	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100936	01/24/25 00:08	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100904	01/22/25 22:31	CH	EET MID

**Eurofins Midland** 

01/22/25 22:37

EET MID

Date Received: 01/20/25 14:10

Analysis

300.0

Soluble

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 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 16:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 16:22	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/20/25 17:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100626	01/20/25 16:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100648	01/20/25 17:51	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100806	01/21/25 15:44	SA	EET MID

Client Sample ID: TH-16 (4.1') Lab Sample ID: 880-53408-32 **Matrix: Solid** 

50 mL

50 mL

100904

Date Collected: 01/17/25 12:20 Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 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 16:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 16:42	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/20/25 18:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100626	01/20/25 16:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100648	01/20/25 18:06	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	100904	01/22/25 22:43	CH	EET MID

Client Sample ID: TH-17 (1') Lab Sample ID: 880-53408-33 Date Collected: 01/17/25 12:25 **Matrix: Solid** 

Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 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 17:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 17:03	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/20/25 18:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100626	01/20/25 16:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100648	01/20/25 18:21	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100904	01/22/25 22:49	CH	EET MID

Client Sample ID: TH-17 (4.1') Lab Sample ID: 880-53408-34

Date Collected: 01/17/25 12:40 **Matrix: Solid** Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 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 17:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 17:23	MNR	EET MID

Job ID: 880-53408-1 SDG: Lea Co, NM

Client: Crain Environmental Project/Site: Lamunyon 22

Lab Sample ID: 880-53408-34

Matrix: Solid

Date Collected: 01/17/25 12:40 Date Received: 01/20/25 14:10

Client Sample ID: TH-17 (4.1')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			100768	01/20/25 18:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100626	01/20/25 16:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100648	01/20/25 18:50	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	100904	01/22/25 22:55	CH	EET MID

Client Sample ID: TH-18 (1') Lab Sample ID: 880-53408-35 Date Collected: 01/17/25 12:45 **Matrix: Solid** 

Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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 17:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 17:44	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/20/25 19:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100626	01/20/25 16:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100648	01/20/25 19:04	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100904	01/22/25 23:01	CH	EET MID

Client Sample ID: TH-18 (4.1') Lab Sample ID: 880-53408-36 Date Collected: 01/17/25 13:00 **Matrix: Solid** 

Date Received: 01/20/25 14:10

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 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 18:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			100864	01/21/25 18:04	MNR	EET MID
Total/NA	Analysis	8015 NM		1			100768	01/20/25 19:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100626	01/20/25 16:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100648	01/20/25 19:19	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100806	01/21/25 15:44	SA	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	100904	01/22/25 23:07	CH	EET MID

Laboratory References:

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

## **Accreditation/Certification Summary**

Client: Crain Environmental Job ID: 880-53408-1
Project/Site: Lamunyon 22 SDG: Lea Co, NM

#### **Laboratory: Eurofins Midland**

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progra	am	Identification Number	Expiration Date
Texas	NELA	Р	T104704400	06-30-25
• ,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

3

4

9

11

12

14

#### **Method Summary**

Client: Crain Environmental Project/Site: Lamunyon 22

Method

8021B

Total BTEX

8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

Job ID: 880-53408-1 SDG: Lea Co, NM

Protocol	Laboratory
SW846	EET MID
TAL SOP	EET MID
SW846	EET MID
SW846	EET MID
EPA	EET MID

EET MID

EET MID

**EET MID** 

SW846

SW846

ASTM

**Protocol References:** 

ASTM = ASTM International

EPA = US Environmental Protection Agency

Microextraction

**Method Description** 

Total BTEX Calculation

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

**Deionized Water Leaching Procedure** 

Anions, Ion Chromatography

Closed System Purge and Trap

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

### **Sample Summary**

Client: Crain Environmental Project/Site: Lamunyon 22

Job ID: 880-53408-1

SDG: Lea Co, NM

880-53408-1         TH-1 (1)         Solid         01/10/25 15:50         01/20/25 14:10         1***           880-53408-2         TH-1 (4.1)         Solid         01/16/25 16:15         01/20/25 14:10         1***           880-53408-3         TH-2 (1)**         Solid         01/16/25 16:15         01/20/25 14:10         1**           880-53408-5         TH-3 (1)**         Solid         01/16/25 16:30         01/20/25 14:10         4.1**           880-53408-6         TH-3 (4.1)**         Solid         01/16/25 16:50         01/20/25 14:10         4.1**           880-53408-7         TH-4 (1)**         Solid         01/16/25 16:50         01/20/25 14:10         4.1**           880-53408-7         TH-4 (1)**         Solid         01/16/25 17:50         01/20/25 14:10         4.1**           880-53408-1         TH-5 (1)**         Solid         01/16/25 17:35         01/20/25 14:10         4.1**           880-53408-1         TH-6 (4.1)**         Solid         01/16/25 17:30         01/20/25 14:10         4.1**           880-53408-1         TH-6 (4.1)**         Solid         01/16/25 17:30         01/20/25 14:10         4.1**           880-53408-1         TH-8 (4.1)**         Solid         01/16/25 17:30         01/20/25 14:10         4.1** </th <th>Lab Sample ID</th> <th>Client Sample ID</th> <th>Matrix</th> <th>Collected</th> <th>Received</th> <th>Depth</th>	Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-53408-3         TH-2 (T)         Solid         01/16/25 16:15         01/20/25 14:10         4***           880-53408-4         TH-2 (4.1)         Solid         01/16/25 16:30         01/20/25 14:10         4***           880-53408-5         TH-3 (1)         Solid         01/16/25 16:50         01/20/25 14:10         1***           880-53408-6         TH-3 (4.1)         Solid         01/16/25 16:55         01/20/25 14:10         4.1**           880-53408-7         TH-4 (1)         Solid         01/16/25 17:55         01/20/25 14:10         4.1**           880-53408-8         TH-4 (4.1)         Solid         01/16/25 17:55         01/20/25 14:10         4.1**           880-53408-9         TH-5 (1)         Solid         01/16/25 17:30         01/20/25 14:10         4.1**           880-53408-10         TH-6 (1)         Solid         01/16/25 17:50         01/20/25 14:10         1**           880-53408-13         TH-7 (1)         Solid         01/16/25 17:50         01/20/25 14:10         1**           880-53408-13         TH-8 (1)         Solid         01/16/25 17:50         01/20/25 14:10         4.1*           880-53408-13         TH-8 (1)         Solid         01/17/25 109:25         01/20/25 14:10         1** <t< td=""><td>880-53408-1</td><td>TH-1 (1')</td><td>Solid</td><td>01/16/25 15:55</td><td>01/20/25 14:10</td><td>1'</td></t<>	880-53408-1	TH-1 (1')	Solid	01/16/25 15:55	01/20/25 14:10	1'
880-53408-4         TH-2 (4.1*)         Solid         01/16/25 16:30         01/20/25 14:10         4.1*           880-53408-5         TH-3 (1*)         Solid         01/16/25 16:35         01/20/25 14:10         1*           880-53408-6         TH-3 (1*)         Solid         01/16/25 16:55         01/20/25 14:10         1*           880-53408-7         TH-4 (1*)         Solid         01/16/25 17:55         01/20/25 14:10         1*           880-53408-8         TH-6 (1*)         Solid         01/16/25 17:30         01/20/25 14:10         1*           880-53408-10         TH-5 (1*)         Solid         01/16/25 17:30         01/20/25 14:10         1*           880-53408-11         TH-6 (1*)         Solid         01/16/25 17:30         01/20/25 14:10         1*           880-53408-13         TH-7 (1*)         Solid         01/16/25 17:55         01/20/25 14:10         4.1*           880-53408-13         TH-7 (1*)         Solid         01/16/25 17:55         01/20/25 14:10         1*           880-53408-13         TH-7 (1*)         Solid         01/17/25 09:35         01/20/25 14:10         1*           880-53408-13         TH-2 (1*)         Solid         01/17/25 09:35         01/20/25 14:10         1*           880-53408	880-53408-2	TH-1 (4.1')	Solid	01/16/25 16:10	01/20/25 14:10	4.1'
880-53408-5         TH-3 (1')         Solid         01/16/25 16:35         01/20/25 14:10         1'           880-53408-6         TH-3 (4.1')         Solid         01/16/25 16:55         01/20/25 14:10         4.1'           880-53408-7         TH-4 (1')         Solid         01/16/25 16:55         01/20/25 14:10         1'           880-53408-9         TH-6 (1')         Solid         01/16/25 17:15         01/20/25 14:10         4.1'           880-53408-10         TH-5 (4.1')         Solid         01/16/25 17:30         01/20/25 14:10         4.1'           880-53408-11         TH-6 (1')         Solid         01/16/25 17:30         01/20/25 14:10         4.1'           880-53408-13         TH-7 (1')         Solid         01/16/25 17:50         01/20/25 14:10         4.1'           880-53408-13         TH-7 (1')         Solid         01/16/25 17:55         01/20/25 14:10         4.1'           880-53408-14         TH-7 (4.1')         Solid         01/16/25 17:55         01/20/25 14:10         4.1'           880-53408-13         TH-8 (1')         Solid         01/17/25 09:25         01/20/25 14:10         4.1'           880-53408-13         TH-9 (1')         Solid         01/17/25 09:35         01/20/25 14:10         4.1'	880-53408-3	TH-2 (1')	Solid	01/16/25 16:15	01/20/25 14:10	1'
880-53408-6         TH-3 (4.1*)         Solid         01/16/25 16:50         01/20/25 14:10         1*           880-53408-7         TH-4 (1*)         Solid         01/16/25 16:55         01/20/25 14:10         1*           880-53408-8         TH-4 (4.1*)         Solid         01/16/25 17:15         01/20/25 14:10         4.1*           880-53408-10         TH-5 (1*)         Solid         01/16/25 17:35         01/20/25 14:10         4.1*           880-53408-11         TH-6 (1*)         Solid         01/16/25 17:35         01/20/25 14:10         4.1*           880-53408-12         TH-6 (4.1*)         Solid         01/16/25 17:55         01/20/25 14:10         4.1*           880-53408-13         TH-7 (1*)         Solid         01/16/25 17:55         01/20/25 14:10         4.1*           880-53408-13         TH-7 (1*)         Solid         01/16/25 18:10         01/20/25 14:10         4.1*           880-53408-15         TH-8 (1*)         Solid         01/17/25 09:25         01/20/25 14:10         4.1*           880-53408-15         TH-9 (1*)         Solid         01/17/25 09:35         01/20/25 14:10         4.1*           880-53408-17         TH-10 (1*)         Solid         01/17/25 10:00         01/20/25 14:10         4.1*	880-53408-4	TH-2 (4.1')	Solid	01/16/25 16:30	01/20/25 14:10	4.1'
880-53408-7         TH-4 (1')         Solid         01/16/25 16:55         01/20/25 14:10         1'           880-53408-8         TH-4 (4.1')         Solid         01/16/25 17:10         01/20/25 14:10         4.1'           880-53408-9         TH-5 (1')         Solid         01/16/25 17:30         01/20/25 14:10         1'           880-53408-10         TH-5 (1')         Solid         01/16/25 17:30         01/20/25 14:10         1'           880-53408-11         TH-6 (1')         Solid         01/16/25 17:30         01/20/25 14:10         1'           880-53408-13         TH-7 (1')         Solid         01/16/25 18:10         01/20/25 14:10         1'           880-53408-13         TH-7 (1')         Solid         01/16/25 18:10         01/20/25 14:10         1'           880-53408-13         TH-7 (1)         Solid         01/17/25 09:25         01/20/25 14:10         1.1'           880-53408-13         TH-8 (1')         Solid         01/17/25 09:35         01/20/25 14:10         1.1'           880-53408-14         TH-9 (1')         Solid         01/17/25 09:45         01/20/25 14:10         1.1'           880-53408-17         TH-9 (1')         Solid         01/17/25 10:00         01/20/25 14:10         1.1'           88	880-53408-5	TH-3 (1')	Solid	01/16/25 16:35	01/20/25 14:10	1'
880-53408-8         TH-K (1')         Solid         01/16/25 17:10         01/20/25 14:10         4.1'           880-53408-9         TH-5 (1')         Solid         01/16/25 17:15         01/20/25 14:10         1'           880-53408-10         TH-5 (1')         Solid         01/16/25 17:35         01/20/25 14:10         1'           880-53408-12         TH-6 (1')         Solid         01/16/25 17:50         01/20/25 14:10         1'           880-53408-13         TH-7 (1')         Solid         01/16/25 17:55         01/20/25 14:10         1'           880-53408-13         TH-7 (1')         Solid         01/16/25 17:55         01/20/25 14:10         1'           880-53408-13         TH-7 (1')         Solid         01/16/25 17:55         01/20/25 14:10         1'           880-53408-14         TH-7 (1')         Solid         01/16/25 17:55         01/20/25 14:10         1'           880-53408-15         TH-8 (1')         Solid         01/17/25 09:35         01/20/25 14:10         1'           880-53408-16         TH-9 (1')         Solid         01/17/25 09:35         01/20/25 14:10         1'           880-53408-17         TH-10 (1')         Solid         01/17/25 10:05         01/20/25 14:10         1'           880-53408	880-53408-6	TH-3 (4.1')	Solid	01/16/25 16:50	01/20/25 14:10	4.1'
880-53408-9         TH-5 (1')         Solid         01/16/25 17:15         01/20/25 14:10         1'           880-53408-10         TH-5 (4.1')         Solid         01/16/25 17:30         01/20/25 14:10         4.1'           880-53408-11         TH-6 (1')         Solid         01/16/25 17:30         01/20/25 14:10         1'           880-53408-12         TH-6 (4.1')         Solid         01/16/25 17:55         01/20/25 14:10         4.1'           880-53408-13         TH-7 (1')         Solid         01/16/25 17:55         01/20/25 14:10         4.1'           880-53408-13         TH-7 (4.1')         Solid         01/16/25 17:55         01/20/25 14:10         4.1'           880-53408-15         TH-8 (1')         Solid         01/17/25 09:25         01/20/25 14:10         4.1'           880-53408-16         TH-8 (4.1')         Solid         01/17/25 09:25         01/20/25 14:10         1'           880-53408-16         TH-9 (1')         Solid         01/17/25 09:05         01/20/25 14:10         1'           880-53408-17         TH-10 (1')         Solid         01/17/25 10:05         01/20/25 14:10         1'           880-53408-18         TH-10 (1')         Solid         01/17/25 10:05         01/20/25 14:10         1'	880-53408-7	TH-4 (1')	Solid	01/16/25 16:55	01/20/25 14:10	1'
880-53408-10         TH-5 (4.1')         Solid         01/16/25 17:30         01/20/25 14:10         4.1'           880-53408-11         TH-6 (1')         Solid         01/16/25 17:30         01/20/25 14:10         1'           880-53408-12         TH-6 (4.1')         Solid         01/16/25 17:50         01/20/25 14:10         1'           880-53408-13         TH-7 (1')         Solid         01/16/25 18:10         01/20/25 14:10         1'           880-53408-14         TH-7 (4.1')         Solid         01/17/25 09:25         01/20/25 14:10         1'           880-53408-15         TH-8 (1')         Solid         01/17/25 09:25         01/20/25 14:10         1'           880-53408-16         TH-9 (1')         Solid         01/17/25 09:25         01/20/25 14:10         1'           880-53408-16         TH-9 (1')         Solid         01/17/25 09:45         01/20/25 14:10         1'           880-53408-16         TH-9 (1')         Solid         01/17/25 10:00         01/20/25 14:10         1'           880-53408-18         TH-9 (1')         Solid         01/17/25 10:00         01/20/25 14:10         1'           880-53408-21         TH-10 (1')         Solid         01/17/25 10:00         01/20/25 14:10         1'           8	880-53408-8	TH-4 (4.1')	Solid	01/16/25 17:10	01/20/25 14:10	4.1'
880-53408-11         TH-6 (1')         Solid         01/16/25 17:50         01/20/25 14:10         1'           880-53408-12         TH-6 (4.1')         Solid         01/16/25 17:50         01/20/25 14:10         4.1'           880-53408-13         TH-7 (1')         Solid         01/16/25 18:50         01/20/25 14:10         4.1'           880-53408-14         TH-7 (4.1')         Solid         01/17/25 09:25         01/20/25 14:10         4.1'           880-53408-15         TH-8 (1')         Solid         01/17/25 09:35         01/20/25 14:10         4.1'           880-53408-16         TH-8 (4.1')         Solid         01/17/25 09:35         01/20/25 14:10         4.1'           880-53408-17         TH-9 (1')         Solid         01/17/25 09:45         01/20/25 14:10         4.1'           880-53408-18         TH-10 (1')         Solid         01/17/25 10:05         01/20/25 14:10         4.1'           880-53408-18         TH-10 (4.1')         Solid         01/17/25 10:05         01/20/25 14:10         4.1'           880-53408-18         TH-10 (4.1')         Solid         01/17/25 10:05         01/20/25 14:10         4.1'           880-53408-21         TH-11 (4.1')         Solid         01/17/25 10:05         01/20/25 14:10         4.1'     <	880-53408-9	TH-5 (1')	Solid	01/16/25 17:15	01/20/25 14:10	1'
880-53408-12         TH-6 (4.1')         Solid         01/16/25 17:50         01/20/25 14:10         4.1'           880-53408-13         TH-7 (1')         Solid         01/16/25 17:55         01/20/25 14:10         1'           880-53408-14         TH-7 (4.1')         Solid         01/16/25 18:10         01/20/25 14:10         4.1'           880-53408-16         TH-8 (1')         Solid         01/17/25 09:25         01/20/25 14:10         1'           880-53408-17         TH-9 (1')         Solid         01/17/25 09:35         01/20/25 14:10         4.1'           880-53408-18         TH-9 (4.1')         Solid         01/17/25 09:35         01/20/25 14:10         4.1'           880-53408-19         TH-10 (4.1')         Solid         01/17/25 10:00         01/20/25 14:10         4.1'           880-53408-19         TH-10 (4.1')         Solid         01/17/25 10:00         01/20/25 14:10         4.1'           880-53408-19         TH-10 (4.1')         Solid         01/17/25 10:00         01/20/25 14:10         4.1'           880-53408-21         TH-11 (4.1')         Solid         01/17/25 10:00         01/20/25 14:10         1'           880-53408-23         TH-12 (4.1')         Solid         01/17/25 11:00         01/20/25 14:10         1' </td <td>880-53408-10</td> <td>TH-5 (4.1')</td> <td>Solid</td> <td>01/16/25 17:30</td> <td>01/20/25 14:10</td> <td>4.1'</td>	880-53408-10	TH-5 (4.1')	Solid	01/16/25 17:30	01/20/25 14:10	4.1'
880-53408-13         TH-7 (1')         Solid         01/16/25 17:55         01/20/25 14:10         1'           880-53408-14         TH-7 (4.1')         Solid         01/16/25 18:10         01/20/25 14:10         4.1'           880-53408-15         TH-8 (1')         Solid         01/17/25 09:25         01/20/25 14:10         1'           880-53408-16         TH-9 (1')         Solid         01/17/25 09:35         01/20/25 14:10         4.1'           880-53408-16         TH-9 (1')         Solid         01/17/25 09:35         01/20/25 14:10         4.1'           880-53408-17         TH-9 (1')         Solid         01/17/25 10:00         01/20/25 14:10         4.1'           880-53408-18         TH-9 (4.1')         Solid         01/17/25 10:00         01/20/25 14:10         4.1'           880-53408-20         TH-10 (1')         Solid         01/17/25 10:20         01/20/25 14:10         4.1'           880-53408-21         TH-11 (4.1')         Solid         01/17/25 10:20         01/20/25 14:10         4.1'           880-53408-23         TH-12 (1')         Solid         01/17/25 10:25         01/20/25 14:10         1'           880-53408-24         TH-13 (1')         Solid         01/17/25 11:05         01/20/25 14:10         1' <tr< td=""><td>880-53408-11</td><td>TH-6 (1')</td><td>Solid</td><td>01/16/25 17:35</td><td>01/20/25 14:10</td><td>1'</td></tr<>	880-53408-11	TH-6 (1')	Solid	01/16/25 17:35	01/20/25 14:10	1'
880-53408-14         TH-7 (4.1')         Solid         01/16/25 18:10         01/20/25 14:10         4.1'           880-53408-15         TH-8 (1')         Solid         01/17/25 09:25         01/20/25 14:10         1'           880-53408-16         TH-8 (4.1')         Solid         01/17/25 09:35         01/20/25 14:10         4.1'           880-53408-17         TH-9 (1')         Solid         01/17/25 10:00         01/20/25 14:10         1'           880-53408-18         TH-10 (1')         Solid         01/17/25 10:05         01/20/25 14:10         4.1'           880-53408-19         TH-10 (1')         Solid         01/17/25 10:05         01/20/25 14:10         4.1'           880-53408-20         TH-10 (4.1')         Solid         01/17/25 10:25         01/20/25 14:10         4.1'           880-53408-21         TH-11 (4.1')         Solid         01/17/25 10:25         01/20/25 14:10         4.1'           880-53408-22         TH-12 (1')         Solid         01/17/25 10:45         01/20/25 14:10         4.1'           880-53408-23         TH-12 (1')         Solid         01/17/25 10:45         01/20/25 14:10         4.1'           880-53408-23         TH-13 (1')         Solid         01/17/25 11:05         01/20/25 14:10         4.1' <td>880-53408-12</td> <td>TH-6 (4.1')</td> <td>Solid</td> <td>01/16/25 17:50</td> <td>01/20/25 14:10</td> <td>4.1'</td>	880-53408-12	TH-6 (4.1')	Solid	01/16/25 17:50	01/20/25 14:10	4.1'
880-53408-15         TH-8 (1')         Solid         01/17/25 09:25         01/20/25 14:10         1'           880-53408-16         TH-8 (4.1')         Solid         01/17/25 09:35         01/20/25 14:10         4.1'           880-53408-17         TH-9 (1')         Solid         01/17/25 09:45         01/20/25 14:10         1'           880-53408-18         TH-9 (4.1')         Solid         01/17/25 00:00         01/20/25 14:10         4.1'           880-53408-19         TH-10 (4.1')         Solid         01/17/25 10:00         01/20/25 14:10         4.1'           880-53408-20         TH-10 (4.1')         Solid         01/17/25 10:20         01/20/25 14:10         4.1'           880-53408-21         TH-11 (1')         Solid         01/17/25 10:25         01/20/25 14:10         4.1'           880-53408-22         TH-11 (4.1')         Solid         01/17/25 10:40         01/20/25 14:10         4.1'           880-53408-23         TH-12 (4.1')         Solid         01/17/25 10:40         01/20/25 14:10         1'           880-53408-23         TH-13 (1')         Solid         01/17/25 11:20         01/20/25 14:10         1'           880-53408-23         TH-13 (1')         Solid         01/17/25 11:20         01/20/25 14:10         4.1' <td>880-53408-13</td> <td>TH-7 (1')</td> <td>Solid</td> <td>01/16/25 17:55</td> <td>01/20/25 14:10</td> <td>1'</td>	880-53408-13	TH-7 (1')	Solid	01/16/25 17:55	01/20/25 14:10	1'
880-53408-16         TH-8 (4.1')         Solid         01/17/25 09:35         01/20/25 14:10         4.1'           880-53408-17         TH-9 (1')         Solid         01/17/25 09:45         01/20/25 14:10         1'           880-53408-18         TH-9 (4.1')         Solid         01/17/25 10:00         01/20/25 14:10         4.1'           880-53408-19         TH-10 (1')         Solid         01/17/25 10:05         01/20/25 14:10         1'           880-53408-20         TH-10 (4.1')         Solid         01/17/25 10:20         01/20/25 14:10         4.1'           880-53408-21         TH-11 (1')         Solid         01/17/25 10:25         01/20/25 14:10         4.1'           880-53408-22         TH-11 (4.1')         Solid         01/17/25 10:45         01/20/25 14:10         4.1'           880-53408-23         TH-12 (1')         Solid         01/17/25 10:45         01/20/25 14:10         4.1'           880-53408-23         TH-13 (1')         Solid         01/17/25 11:05         01/20/25 14:10         4.1'           880-53408-25         TH-13 (1')         Solid         01/17/25 11:05         01/20/25 14:10         4.1'           880-53408-26         TH-16 (1')         Solid         01/17/25 11:25         01/20/25 14:10         4.1' <td>880-53408-14</td> <td>TH-7 (4.1')</td> <td>Solid</td> <td>01/16/25 18:10</td> <td>01/20/25 14:10</td> <td>4.1'</td>	880-53408-14	TH-7 (4.1')	Solid	01/16/25 18:10	01/20/25 14:10	4.1'
880-53408-17         TH-9 (1')         Solid         01/17/25 09:45         01/20/25 14:10         1'           880-53408-18         TH-9 (4.1')         Solid         01/17/25 10:00         01/20/25 14:10         4.1'           880-53408-19         TH-10 (1')         Solid         01/17/25 10:05         01/20/25 14:10         1'           880-53408-20         TH-10 (4.1')         Solid         01/17/25 10:25         01/20/25 14:10         4.1'           880-53408-21         TH-11 (1')         Solid         01/17/25 10:25         01/20/25 14:10         4.1'           880-53408-22         TH-12 (1')         Solid         01/17/25 10:40         01/20/25 14:10         4.1'           880-53408-23         TH-12 (1')         Solid         01/17/25 10:40         01/20/25 14:10         4.1'           880-53408-24         TH-13 (1')         Solid         01/17/25 11:05         01/20/25 14:10         4.1'           880-53408-25         TH-13 (1')         Solid         01/17/25 11:05         01/20/25 14:10         1'           880-53408-26         TH-13 (4.1')         Solid         01/17/25 11:25         01/20/25 14:10         1'           880-53408-27         TH-16 (1')         Solid         01/17/25 11:25         01/20/25 14:10         1'	880-53408-15	TH-8 (1')	Solid	01/17/25 09:25	01/20/25 14:10	1'
880-53408-18         TH-9 (4.1')         Solid         01/17/25 10:00         01/20/25 14:10         4.1'           880-53408-19         TH-10 (1')         Solid         01/17/25 10:05         01/20/25 14:10         1'           880-53408-20         TH-10 (4.1')         Solid         01/17/25 10:20         01/20/25 14:10         4.1'           880-53408-21         TH-11 (1')         Solid         01/17/25 10:40         01/20/25 14:10         1'           880-53408-22         TH-11 (4.1')         Solid         01/17/25 10:40         01/20/25 14:10         4.1'           880-53408-23         TH-12 (1')         Solid         01/17/25 10:45         01/20/25 14:10         1'           880-53408-23         TH-12 (4.1')         Solid         01/17/25 11:00         01/20/25 14:10         1'           880-53408-23         TH-13 (1')         Solid         01/17/25 11:00         01/20/25 14:10         1'           880-53408-24         TH-13 (4.1')         Solid         01/17/25 11:00         01/20/25 14:10         1'           880-53408-25         TH-13 (4.1')         Solid         01/17/25 11:20         01/20/25 14:10         1'           880-53408-27         TH-14 (1')         Solid         01/17/25 11:20         01/20/25 14:10         1'	880-53408-16	TH-8 (4.1')	Solid	01/17/25 09:35	01/20/25 14:10	4.1'
880-53408-19       TH-10 (1')       Solid       01/17/25 10:05       01/20/25 14:10       1'         880-53408-20       TH-10 (4.1')       Solid       01/17/25 10:20       01/20/25 14:10       4.1'         880-53408-21       TH-11 (1')       Solid       01/17/25 10:25       01/20/25 14:10       1'         880-53408-22       TH-11 (4.1')       Solid       01/17/25 10:40       01/20/25 14:10       4.1'         880-53408-23       TH-12 (1')       Solid       01/17/25 10:45       01/20/25 14:10       1'         880-53408-24       TH-12 (4.1')       Solid       01/17/25 11:00       01/20/25 14:10       4.1'         880-53408-25       TH-3 (1')       Solid       01/17/25 11:05       01/20/25 14:10       1'         880-53408-26       TH-13 (4.1')       Solid       01/17/25 11:05       01/20/25 14:10       1'         880-53408-27       TH-14 (1')       Solid       01/17/25 11:20       01/20/25 14:10       1'         880-53408-28       TH-15 (1')       Solid       01/17/25 11:45       01/20/25 14:10       4.1'         880-53408-30       TH-15 (4.1')       Solid       01/17/25 11:45       01/20/25 14:10       1'         880-53408-31       TH-16 (1')       Solid       01/17/25 12:05       0	880-53408-17	TH-9 (1')	Solid	01/17/25 09:45	01/20/25 14:10	1'
880-53408-20         TH-10 (4.1')         Solid         01/17/25 10:20         01/20/25 14:10         4.1'           880-53408-21         TH-11 (1')         Solid         01/17/25 10:25         01/20/25 14:10         1'           880-53408-22         TH-11 (4.1')         Solid         01/17/25 10:40         01/20/25 14:10         4.1'           880-53408-23         TH-12 (1')         Solid         01/17/25 10:45         01/20/25 14:10         1'           880-53408-24         TH-13 (1')         Solid         01/17/25 11:05         01/20/25 14:10         4.1'           880-53408-25         TH-13 (1')         Solid         01/17/25 11:25         01/20/25 14:10         1'           880-53408-26         TH-13 (4.1')         Solid         01/17/25 11:25         01/20/25 14:10         1'           880-53408-27         TH-14 (1')         Solid         01/17/25 11:25         01/20/25 14:10         1'           880-53408-28         TH-15 (1')         Solid         01/17/25 11:45         01/20/25 14:10         1'           880-53408-30         TH-15 (1')         Solid         01/17/25 12:20         01/20/25 14:10         1'           880-53408-31         TH-16 (1')         Solid         01/17/25 12:25         01/20/25 14:10         1'	880-53408-18	TH-9 (4.1')	Solid	01/17/25 10:00	01/20/25 14:10	4.1'
880-53408-21       TH-11 (1')       Solid       01/17/25 10:25       01/20/25 14:10       1'         880-53408-22       TH-11 (4.1')       Solid       01/17/25 10:40       01/20/25 14:10       4.1'         880-53408-23       TH-12 (1')       Solid       01/17/25 10:45       01/20/25 14:10       1'         880-53408-24       TH-12 (4.1')       Solid       01/17/25 11:00       01/20/25 14:10       4.1'         880-53408-25       TH-13 (1')       Solid       01/17/25 11:05       01/20/25 14:10       1'         880-53408-26       TH-13 (4.1')       Solid       01/17/25 11:20       01/20/25 14:10       4.1'         880-53408-27       TH-14 (1')       Solid       01/17/25 11:25       01/20/25 14:10       1'         880-53408-28       TH-15 (1')       Solid       01/17/25 11:40       01/20/25 14:10       4.1'         880-53408-30       TH-15 (1')       Solid       01/17/25 12:00       01/20/25 14:10       1'         880-53408-31       TH-16 (1')       Solid       01/17/25 12:05       01/20/25 14:10       1'         880-53408-33       TH-17 (1')       Solid       01/17/25 12:25       01/20/25 14:10       1'         880-53408-34       TH-17 (4.1')       Solid       01/17/25 12:45       01	880-53408-19	TH-10 (1')	Solid	01/17/25 10:05	01/20/25 14:10	1'
880-53408-22       TH-11 (4.1')       Solid       01/17/25 10:40       01/20/25 14:10       4.1'         880-53408-23       TH-12 (1')       Solid       01/17/25 10:45       01/20/25 14:10       1'         880-53408-24       TH-12 (4.1')       Solid       01/17/25 11:00       01/20/25 14:10       4.1'         880-53408-25       TH-13 (1')       Solid       01/17/25 11:05       01/20/25 14:10       1'         880-53408-26       TH-13 (4.1')       Solid       01/17/25 11:20       01/20/25 14:10       4.1'         880-53408-27       TH-14 (1')       Solid       01/17/25 11:25       01/20/25 14:10       1'         880-53408-28       TH-15 (1')       Solid       01/17/25 11:45       01/20/25 14:10       1'         880-53408-29       TH-15 (1')       Solid       01/17/25 11:45       01/20/25 14:10       1'         880-53408-30       TH-16 (1')       Solid       01/17/25 12:00       01/20/25 14:10       1'         880-53408-31       TH-16 (1')       Solid       01/17/25 12:20       01/20/25 14:10       1'         880-53408-33       TH-17 (1')       Solid       01/17/25 12:20       01/20/25 14:10       1'         880-53408-34       TH-17 (4.1')       Solid       01/17/25 12:40       01/2	880-53408-20	TH-10 (4.1')	Solid	01/17/25 10:20	01/20/25 14:10	4.1'
880-53408-23         TH-12 (1')         Solid         01/17/25 10:45         01/20/25 14:10         1'           880-53408-24         TH-12 (4.1')         Solid         01/17/25 11:00         01/20/25 14:10         4.1'           880-53408-25         TH-13 (1')         Solid         01/17/25 11:05         01/20/25 14:10         1'           880-53408-26         TH-13 (4.1')         Solid         01/17/25 11:20         01/20/25 14:10         4.1'           880-53408-27         TH-14 (1')         Solid         01/17/25 11:25         01/20/25 14:10         1'           880-53408-28         TH-15 (1')         Solid         01/17/25 11:45         01/20/25 14:10         4.1'           880-53408-29         TH-15 (1')         Solid         01/17/25 11:45         01/20/25 14:10         1'           880-53408-30         TH-16 (1')         Solid         01/17/25 12:00         01/20/25 14:10         1'           880-53408-31         TH-16 (1')         Solid         01/17/25 12:05         01/20/25 14:10         1'           880-53408-32         TH-16 (4.1')         Solid         01/17/25 12:20         01/20/25 14:10         1'           880-53408-33         TH-17 (4.1')         Solid         01/17/25 12:40         01/20/25 14:10         1' <t< td=""><td>880-53408-21</td><td>TH-11 (1')</td><td>Solid</td><td>01/17/25 10:25</td><td>01/20/25 14:10</td><td>1'</td></t<>	880-53408-21	TH-11 (1')	Solid	01/17/25 10:25	01/20/25 14:10	1'
880-53408-24       TH-12 (4.1')       Solid       01/17/25 11:00       01/20/25 14:10       4.1'         880-53408-25       TH-13 (1')       Solid       01/17/25 11:05       01/20/25 14:10       1'         880-53408-26       TH-13 (4.1')       Solid       01/17/25 11:20       01/20/25 14:10       4.1'         880-53408-27       TH-14 (1')       Solid       01/17/25 11:25       01/20/25 14:10       1'         880-53408-28       TH-15 (1')       Solid       01/17/25 11:45       01/20/25 14:10       4.1'         880-53408-29       TH-15 (1')       Solid       01/17/25 12:00       01/20/25 14:10       1'         880-53408-30       TH-16 (1')       Solid       01/17/25 12:00       01/20/25 14:10       4.1'         880-53408-31       TH-16 (1')       Solid       01/17/25 12:05       01/20/25 14:10       1'         880-53408-32       TH-16 (4.1')       Solid       01/17/25 12:20       01/20/25 14:10       4.1'         880-53408-33       TH-17 (1')       Solid       01/17/25 12:25       01/20/25 14:10       1'         880-53408-34       TH-17 (4.1')       Solid       01/17/25 12:40       01/20/25 14:10       4.1'         880-53408-35       TH-18 (1')       Solid       01/17/25 12:45 <t< td=""><td>880-53408-22</td><td>TH-11 (4.1')</td><td>Solid</td><td>01/17/25 10:40</td><td>01/20/25 14:10</td><td>4.1'</td></t<>	880-53408-22	TH-11 (4.1')	Solid	01/17/25 10:40	01/20/25 14:10	4.1'
880-53408-25       TH-13 (1')       Solid       01/17/25 11:05       01/20/25 14:10       1'         880-53408-26       TH-13 (4.1')       Solid       01/17/25 11:20       01/20/25 14:10       4.1'         880-53408-27       TH-14 (1')       Solid       01/17/25 11:25       01/20/25 14:10       1'         880-53408-28       TH-14 (4.1')       Solid       01/17/25 11:40       01/20/25 14:10       4.1'         880-53408-29       TH-15 (1')       Solid       01/17/25 11:45       01/20/25 14:10       1'         880-53408-30       TH-15 (4.1')       Solid       01/17/25 12:00       01/20/25 14:10       4.1'         880-53408-31       TH-16 (1')       Solid       01/17/25 12:25       01/20/25 14:10       1'         880-53408-32       TH-16 (4.1')       Solid       01/17/25 12:25       01/20/25 14:10       4.1'         880-53408-33       TH-17 (1')       Solid       01/17/25 12:25       01/20/25 14:10       1'         880-53408-34       TH-17 (4.1')       Solid       01/17/25 12:40       01/20/25 14:10       4.1'         880-53408-35       TH-18 (1')       Solid       01/17/25 12:45       01/20/25 14:10       1'	880-53408-23	TH-12 (1')	Solid	01/17/25 10:45	01/20/25 14:10	1'
880-53408-26       TH-13 (4.1')       Solid       01/17/25 11:20       01/20/25 14:10       4.1'         880-53408-27       TH-14 (1')       Solid       01/17/25 11:25       01/20/25 14:10       1'         880-53408-28       TH-14 (4.1')       Solid       01/17/25 11:40       01/20/25 14:10       4.1'         880-53408-29       TH-15 (1')       Solid       01/17/25 11:45       01/20/25 14:10       1'         880-53408-30       TH-16 (4.1')       Solid       01/17/25 12:00       01/20/25 14:10       4.1'         880-53408-31       TH-16 (4.1')       Solid       01/17/25 12:20       01/20/25 14:10       1'         880-53408-32       TH-16 (4.1')       Solid       01/17/25 12:20       01/20/25 14:10       4.1'         880-53408-33       TH-17 (1')       Solid       01/17/25 12:25       01/20/25 14:10       1'         880-53408-34       TH-17 (4.1')       Solid       01/17/25 12:40       01/20/25 14:10       4.1'         880-53408-35       TH-18 (1')       Solid       01/17/25 12:45       01/20/25 14:10       1'	880-53408-24	TH-12 (4.1')	Solid	01/17/25 11:00	01/20/25 14:10	4.1'
880-53408-27       TH-14 (1')       Solid       01/17/25 11:25       01/20/25 14:10       1'         880-53408-28       TH-14 (4.1')       Solid       01/17/25 11:40       01/20/25 14:10       4.1'         880-53408-29       TH-15 (1')       Solid       01/17/25 11:45       01/20/25 14:10       1'         880-53408-30       TH-15 (4.1')       Solid       01/17/25 12:00       01/20/25 14:10       4.1'         880-53408-31       TH-16 (1')       Solid       01/17/25 12:05       01/20/25 14:10       1'         880-53408-32       TH-16 (4.1')       Solid       01/17/25 12:20       01/20/25 14:10       4.1'         880-53408-33       TH-17 (1')       Solid       01/17/25 12:25       01/20/25 14:10       1'         880-53408-34       TH-17 (4.1')       Solid       01/17/25 12:40       01/20/25 14:10       4.1'         880-53408-35       TH-18 (1')       Solid       01/17/25 12:45       01/20/25 14:10       1'	880-53408-25	TH-13 (1')	Solid	01/17/25 11:05	01/20/25 14:10	1'
880-53408-28       TH-14 (4.1')       Solid       01/17/25 11:40       01/20/25 14:10       4.1'         880-53408-29       TH-15 (1')       Solid       01/17/25 11:45       01/20/25 14:10       1'         880-53408-30       TH-15 (4.1')       Solid       01/17/25 12:00       01/20/25 14:10       4.1'         880-53408-31       TH-16 (1')       Solid       01/17/25 12:05       01/20/25 14:10       1'         880-53408-32       TH-16 (4.1')       Solid       01/17/25 12:20       01/20/25 14:10       4.1'         880-53408-33       TH-17 (1')       Solid       01/17/25 12:25       01/20/25 14:10       1'         880-53408-34       TH-17 (4.1')       Solid       01/17/25 12:40       01/20/25 14:10       4.1'         880-53408-35       TH-18 (1')       Solid       01/17/25 12:45       01/20/25 14:10       1'	880-53408-26	TH-13 (4.1')	Solid	01/17/25 11:20	01/20/25 14:10	4.1'
880-53408-29       TH-15 (1')       Solid       01/17/25 11:45       01/20/25 14:10       1'         880-53408-30       TH-15 (4.1')       Solid       01/17/25 12:00       01/20/25 14:10       4.1'         880-53408-31       TH-16 (1')       Solid       01/17/25 12:05       01/20/25 14:10       1'         880-53408-32       TH-16 (4.1')       Solid       01/17/25 12:20       01/20/25 14:10       4.1'         880-53408-33       TH-17 (1')       Solid       01/17/25 12:25       01/20/25 14:10       1'         880-53408-34       TH-17 (4.1')       Solid       01/17/25 12:40       01/20/25 14:10       4.1'         880-53408-35       TH-18 (1')       Solid       01/17/25 12:45       01/20/25 14:10       1'	880-53408-27	TH-14 (1')	Solid	01/17/25 11:25	01/20/25 14:10	1'
880-53408-30       TH-15 (4.1')       Solid       01/17/25 12:00       01/20/25 14:10       4.1'         880-53408-31       TH-16 (1')       Solid       01/17/25 12:05       01/20/25 14:10       1'         880-53408-32       TH-16 (4.1')       Solid       01/17/25 12:20       01/20/25 14:10       4.1'         880-53408-33       TH-17 (1')       Solid       01/17/25 12:25       01/20/25 14:10       1'         880-53408-34       TH-17 (4.1')       Solid       01/17/25 12:40       01/20/25 14:10       4.1'         880-53408-35       TH-18 (1')       Solid       01/17/25 12:45       01/20/25 14:10       1'	880-53408-28	TH-14 (4.1')	Solid	01/17/25 11:40	01/20/25 14:10	4.1'
880-53408-31       TH-16 (1')       Solid       01/17/25 12:05       01/20/25 14:10       1'         880-53408-32       TH-16 (4.1')       Solid       01/17/25 12:20       01/20/25 14:10       4.1'         880-53408-33       TH-17 (1')       Solid       01/17/25 12:25       01/20/25 14:10       1'         880-53408-34       TH-17 (4.1')       Solid       01/17/25 12:40       01/20/25 14:10       4.1'         880-53408-35       TH-18 (1')       Solid       01/17/25 12:45       01/20/25 14:10       1'	880-53408-29	TH-15 (1')	Solid	01/17/25 11:45	01/20/25 14:10	1'
880-53408-32       TH-16 (4.1')       Solid       01/17/25 12:20       01/20/25 14:10       4.1'         880-53408-33       TH-17 (1')       Solid       01/17/25 12:25       01/20/25 14:10       1'         880-53408-34       TH-17 (4.1')       Solid       01/17/25 12:40       01/20/25 14:10       4.1'         880-53408-35       TH-18 (1')       Solid       01/17/25 12:45       01/20/25 14:10       1'	880-53408-30	TH-15 (4.1')	Solid	01/17/25 12:00	01/20/25 14:10	4.1'
880-53408-33       TH-17 (1')       Solid       01/17/25 12:25       01/20/25 14:10       1'         880-53408-34       TH-17 (4.1')       Solid       01/17/25 12:40       01/20/25 14:10       4.1'         880-53408-35       TH-18 (1')       Solid       01/17/25 12:45       01/20/25 14:10       1'	880-53408-31	TH-16 (1')	Solid	01/17/25 12:05	01/20/25 14:10	1'
880-53408-34 TH-17 (4.1') Solid 01/17/25 12:40 01/20/25 14:10 4.1' 880-53408-35 TH-18 (1') Solid 01/17/25 12:45 01/20/25 14:10 1'	880-53408-32	TH-16 (4.1')	Solid	01/17/25 12:20	01/20/25 14:10	4.1'
880-53408-35 TH-18 (1') Solid 01/17/25 12:45 01/20/25 14:10 1'	880-53408-33	TH-17 (1')	Solid	01/17/25 12:25	01/20/25 14:10	1'
` '	880-53408-34	TH-17 (4.1')	Solid	01/17/25 12:40	01/20/25 14:10	4.1'
880-53408-36 TH-18 (4.1') Solid 01/17/25 13:00 01/20/25 14:10 4.1'	880-53408-35	TH-18 (1')	Solid	01/17/25 12:45	01/20/25 14:10	1'
	880-53408-36	TH-18 (4.1')	Solid	01/17/25 13:00	01/20/25 14:10	4.1'

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880-53408 Chain of Custody

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**Environment Testing** 

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					,		www.xenco.com	Page / of >
Project Manager:	Cindu Cain		Bill to: (if different)		Billy 1	Moore	Work Order Comments	ymments
Company Name:	(sais Exicomesta	4	Company Name:		FAET		Program: UST/PST ☐ PRP ☐ Brow	Brownfields ☐ RRC ☐ Superfund ☐
	2425 6. 17th St.		Address:		117571	104 Frw 54.725	State of Project: NM	
te ZIP:	Ddesso, 7x 7976	1	City, State ZIP:	7	Houston.	1× 17079	Reporting: Level III   PST/UST   TRRP   Level IV	ST/UST TRRP Level IV
Phone:	(575) 441-724H	Email:	Cindy Crain@gmail.com	aine	mail.co	n	Deliverables: EDD ADaPT	o⊤ ☐ Other:
Project Name:	Lamino 22	Turn	Around			ANALYSIS REQUEST	EST	Preservative Codes
er:		Routine	Rush	Pres. Code				None: NO DI Water: H <sub>2</sub> O
Project Location:	100 G. NM	Due Date:						Cool: Cool MeOH: Me
Sampler's Name:	Cial Cain	TAT starts the	TAT starts the day received by					HCL: HC HNO 3: HN
PO #:		the lab, if rec	the lab, if received by 4:30pm		_			H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub> NaOH: Na
SAMPLE RECEIPT	Temp Blank: Yes No	) Wet Ice:	Yes	eters				H₃PO 4: HP
Samples Received Intact:	: Yes No Thermometer ID:	eter ID:	7229	_	2	Ç		NaHSO ₄: NABIS
Cooler Custody Seals:	Yes No N/A Correction Factor:	n Factor:	ri		9/1			Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
Sample Custody Seals:	Yes No N/A Temperal	Temperature Reading:	7.		X- 18	フル		Zn Acetate+NaOH: Zn
Total Containers:	Corrected	Corrected Temperature:	9		7.1. H.	0/0		NaOH+Ascorbic Acid: SAPC
		Time	Conth Grab/	_	8			Sample Comments
sample identification	Sampled Sampled	Sampled	Comp	Cont		7		Sample Collinells
TH-1 (1.)	5 1/14/25	5 1555	را ا	<u>^</u>	X	V		
TH-1 (4.1.)	_	1610	7.1.	_				
TH-2 (1)		1615	1.1	_				
TH-2 (4.1		1630	4.1.					
TH-3 (1')		1635	1,1					
TH-3 (4.1)	(.)	1650	4.1'					
TH-4 (1.)		1655	1,					
TH-4 (4.)	)·)	1710	7.7					
TH-5 (1.)		1715	),(					
TH-5 (41)	→	1730	4.1.	>	<b>→</b>			
Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PF	8RCRA 13PPM Texas 11	Al Sb A	Al Sb As Ba Be B Cd Ca Cr	Cd Ca Cr Co Cu Fe Pb Mg	Vi K Se	TI Sn U V Zn
Circle Method(s) an	Circle Method(s) and Metal(s) to be analyzed	TCLP/S	3PLP 6010 : 8RC	CRA Sb	As Ba Be Co	TCLP/SPLP6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Se Ag Ti U Hg: 1631/245.1/7470	/7470 /7471
Notice: Signature of this docum	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	s a valid purchase or	der from client company	y to Eurofins	(enco, its affiliates	and subcontractors. It assigns standard tern	ns and conditions	
of service. Eurofins Xenco will t	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	not assume any respect	onsibility for any losses	or expenses I	ncurred by the clien	antifisuch losses are due to circumstances be analyzed. These terms will be enforced unless	syond the control	
of Eurofins Xenco. A minimum	of Europias Aerico. A minimum charge of \$85,00 will be applied to each project and a charge of \$3 for each sample submitted to Europias Aerico, but not also years. These carries will be applied to each project and a charge of \$3 for each sample submitted to Europias Aerico, but not also years.	ct and a charge of \$5	o ror each sample subm	HITEGO TO EGILON	HIS ACTION, DULI HOL	didiyed. Hese tellis will be ellisted alle	S previous y responses	

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if 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

Vortice. 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 lable 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

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**Environment Testing** 

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Work Order No:

Bill to: (if different)   Dility Mac/C											www.xe	www.xenco.com	Page 💉	- of 4
Control   Cont	Project Manager:	Lindy Crain			Bill to: (if d	ifferent)	Ó	illy h	Noore		Work	Order Co	omments	
1157 Kby Frwy Sle 725   174-57.   Address:   11757 Kby Frwy Sle 725   125	Company Name:	cain Crico	whenter		Company	Vame:	1	AEZ	Ţ				wnfields RRC	Superfund
Sample Identification   Part	8	نى ا	14 St.		Address:		117	57 16	ty Frwy Ste 2	33	State of Project: 11/M			
Name:         LaryLryµg7 223         Tun Anound         Preservative         Analysis Request         Preservative           Number:         LaryLryµg7 223         Tun Anound         Tun Anound         Preservative         Preservative           Number:         LearyLryµg7 223         Tun Anound         Preservative         Preservative         Preservative           Number:         LearyLryµg7 224         Tun Anound         Preservative         Preservative         Preservative           1 contactor         Tun Anound         Tun Anound         Preservative         Preservative         Preservative           1 contactor         Tun Anound         Tun Anound         Preservative         Preservative         Preservative           2 custody Seals:         Yes No MA         Tonested Temperature         Preservative         Preservative         Preservative           2 custody Seals:         Yes No MA         Tonested Temperature         Preservative         Preservative         Preservative           2 custody Seals:         Yes No MA         Tonested Temperature         Preservative         Preservative         Preservative         Preservative           2 custody Seals:         Yes No MA         Tonested Temperature         Preservative         Preservative         Preservative		Wesso TX	79761		City, State	ZIP	140	capsi	PT 77079		Reporting: Level II ☐ Leve		PST/UST TRRP	☐ Level IV ☐
Name:			1344	Email:	Cindy	Cain	(Dam	411. con	2			ADaF		
Mone: NO   Cool Cool Cool Cool Cool Cool Cool Co		6 COULUMA	33	Tum/	Around		>		ANALYSI	S REQUES	1		Preservati	ve Codes
Cool: Cool				Routine	Rush	28	w 90						None: NO	DI Water: H <sub>2</sub> O
Figure   Capic   Final   Fin	Project Location:	9		Due Date:									Cool: Cool	MeOH: Me
LE RECEIPT   Temp Blank: Yes No   Wet Ice: Yes No   Wet Ice: Yes No   Wet Ice: Yes No   Temp Blank: Yes No   Temp Blank: Yes No   Temp Blank: Yes No   Metric   Met	Sampler's Name:	indy Can	7	TAT starts the	day received	by							HCL: HC	HNO 3: HN
Ves No   Thermometer ID:   Ves No   Ves No   Ves No   Thermometer ID:   Ves No   Thermometer ID:   Ves No   N/A   Correction Factor:   Ves No   N/A   Temperature:   Ves No   N/A   Temp	PO #:			the lab, if rece	ived by 4:30								H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
Ves No N/A   Correction Factor:   Park   No N/A   Temperature Reading:   Park   No N/A	SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:								_	H₃PO 4: HP	
Yes No N/A   Correction Factor.   Quantity   Sampled	Samples Received Intact:	Yes No	Thermomet	er ID:		mei							NaHSO 4: NABIS	
Yes No N/A Temperature Reading:   Part   Corrected Temperature:   Part   Par	Cooler Custody Seals:		Correction F	-actor:		≥q							Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO	m
dentification Matrix Sampled Sampled Comp Comp Comp Comp Comp Comp Comp Comp	Sample Custody Seals:	8	Temperatur	e Reading:			08	,	001				Zn Acetate+NaO	H: Zn
mple Identification Matrix Sampled Sampled Cont Comp Cont (1,1)  (4,1)	Total Containers:		Corrected T	emperature:			3 A	7					NaOH+Ascorbic	Acid: SAPC
mple Identification Matrix Sampled Depth Comp Cont N W \( \( \frac{1}{4}, \frac{1}{1} \) \( \				Time	-	+		18						
(4.1.) 5 1/14/25 1' (2 1 XX (4.1.) 7 (1.1.) 7.50 4.1' 7.50 4.1' 7.50 4.1' 7.50 4.1' 7.50 4.1' 7.50 4.1' 7.50 4.1' 7.50 69.25 1' 7.50 69.25 1' 7.50 69.45 1'	Sample Identificat			Sampled				a					Sample Co	omments
7 (1:) 7 (1:) 8 (4:): 9 (1:) 9 (4:): 10 (1:) 10 (4:): 10 (4	TH-6 (1.)	S			1,	ر ح	X	X						
7 (1.) 8 (4.) 9 (4.) 9 (4.) 9 (4.) 1000 4.) 1000 4.) 1000 4.) 1000 4.)	TH-6 (4.1.)		_	1750	4.1.	_	_							
7     (4.1)     4     1810     4.1)       8     (4.1)     0435     4.1)       9     (7)     0945     11       9     (4.1)     1000     4.1)       10     (7)     (7)     (4.1)	11			1755	1,									
(4.1) (4.1) (4.1) (4.1) (4.1) (4.1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (	TH-7 (4.1.)		>		4.1.									
(4.1) (1) (4.1) (4.1) (1) (1) (1) (1) (1) (1) (1) (1) (1) (	(1) 8-H-L		1/17/25	0925	),									
(1.) 0945 1' (4.1.) 1000 4.1' (1.) 1005 1' (4.1.) V 1020 4.1' V V	TH-8 (4.)	$\hat{}$			4.)!									
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	(11) 6-HT			0945	1,									
(1.) 1005 1' (4.1.) (4.1.) V V 1020 4.1. V V V	9	•		1000	4.)'									
(4.1.) V V 1020 4.1. V V V	(1) OI-HL			1005	1.									
	7	,	>	1020	4.1,	<b>→</b>	>	→ →						
	Circle Method(s) and Metal(s) to be analyzed	Metal(s) to be an		TCLP / SF	LP 6010	8RCRA	Sb As I	3a Be Cd	TCLP/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	o Ni Se		1/245.1	Hq: 1631 / 245.1 / 7470 / 7471	

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**Environment Testing** 

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Work Order No:

Project Manager:	Cain			Bill to: (if different)	ferent)	Bi	Billy Me	pore	Worl	Work Order Comments	ents	
Company Name: Cain C	Sviren mesta	mesta	/	Company Name:	ame:	FAE	EI		Program: UST/PST   PRP	RP Brownfields	elds RRC	] Superfund
Address: 2925 C.	1745	54.		Address:		1175	11757 Katu	u Fowy, 5th. 725				
City, State ZIP: (DIP559),	N	19761		City, State ZIP:	:IP:	Hou	Houston,		Reporting: Level      Level       PST/UST    TRRP    Level IV	rel III   PST/U	JST TRRP	☐ Level IV ☐
Phone: (575) 441-7244	41-723	14	Email:		y. Cra.	ineg	Cindy. Crain@gmail.com	now	Deliverables: EDD	ADaPT	] Other:	
Project Name: Lanungo 22	m 22		Tum	Turn Around				ANALYSIS REQUEST	REQUEST		Preservative Codes	e Codes
Project Number:			Routine	Rush	Pres. Code					Non	None: NO	DI Water: H <sub>2</sub> O
Project Location:	NM	J	Due Date:							Cool	Cool: Cool	MeOH: Me
Circly C	nin		TAT starts the day received by the lab, if received by 4:30pm	day received ived by 4:30p						HCL:	HCL: HC H <sub>2</sub> S0 4: H <sub>2</sub>	HNO 3: HN NaOH: Na
SAMPLE RECEIPT Temp Blank:		Yes No	Wet Ice:	Yes No	eters	7				H <sub>3</sub> PC	H <sub>3</sub> PO <sub>4</sub> : HP	
Samples Received Intact: Yes	No Th	Thermometer ID:	:O:		mer	WS	9			NaH	NaHSO 4: NABIS	
Cooler Custody Seals: Yes No N/A		Correction Factor:	ctor:		Eq	910	52			Naz	Na2S2O3: NaSO 3	
Sample Custody Seals: Yes No	N/A	Temperature Reading:	Reading:			18	D/.			Zn A	Zn Acetate+NaOH: Zn	t: Zn
Total Containers:	Ŭ	Corrected Temperature:	mperature:			H	701			NaO	NaOH+Ascorbic Acid: SAPC	cid: SAPC
Sample Identification	Matrix	Date Sampled	Time	Depth	Grab/ # of Comp Cont	K	8				Sample Comments	mments
('1) 11-47	5 1	1/17/25	1025	1.1	7	$\langle \rangle$	X					
TH-11 (4.1.)	_		1040	4.1.	-							
TH-12 (1.)			1045	1,								
TH-12 (4.1)			1100	4.1.								
TH-13 (1.)			1105	), (								
TH-13 (4.1.)			1120	4.1'								
TH-14 (1.)			1125	),(								
TH-14 (4.1.)			1140	4.11								
TH-15 (1.)			1145	),								
TH-15 (4.1")	>	>	1200	4.);	<b>→</b>	<b>&gt;</b>	<b>→</b>					

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 nego Received by: (Signature) Relinquished by: (Signature) Date/Time 190/25 Received by: (Signature) Relinquished by: (Signature)

Work Order No:

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334

Environment Testing Xenco

Chain of Custody

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

1/24/2025

						9				WWW	www.xenco.com	Page	4 of 4
Project Manager:	indu Cain	2		Bill to: (if different)	nt)	Gilly 1	Moore			W	Work Order Comments	omments	
Company Name:	rain Chrica	Svicomenta	21	Company Name:	e:	1757 Ka	N 540	725	Program:	UST/PST	PRP Bro	Brownfields ☐ RRC ☐	RC   Superfund
	2925 C. 17	174 S		Address:		9	Prost XX		State of Pro	State of Project: NM			
City, State ZIP:	JOE550. T	N 7976	101	City, State ZIP:	200	FAEI			Reporting:	Reporting: Level II Level III		PST/UST	PST/UST TRRP Level IV
Phone:	(575) HIV	- 7244	Email:	: Cindy, crain (a)	Cain	(2 gmail.com	con		Deliverables:	s: EDD	ADa	ADaPT ☐ Oth	Other:
Project Name:	Lanundo	3	Tum	Turn Around				ANALYSIS REQUEST	1			Presen	Preservative Codes
Project Number:			Routine	Rush	Code Sc							None: NO	DI Water: H <sub>2</sub> O
Project Location:	ea Co NM	1	Due Date:									Cool: Cool	MeOH: Me
Sampler's Name:	indy Cain		TAT starts the	TAT starts the day received by						_		HCL: HC	HNO 3: HN
CAMPI F RECEIPT	Temp Blank	N veX	+	N sey	ters		- 355					H <sub>2</sub> SO 4: H <sub>2</sub>	NaOH: Na
Samples Received Intact:	Yes No	Thermometer ID:	neter ID:		eme.							NaHSO 4: NABIS	BIS
Cooler Custody Seals:	Yes No N/A		in Factor:		Ieq	50						Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	SO 3
Sample Custody Seals:	Yes No N/A		Temperature Reading:									Zn Acetate+NaOH: Zn	4aOH: Zn
Total Containers:		Correcte	Corrected Temperature:									NaOH+Ascor	NaOH+Ascorbic Acid: SAPC
Sample Identification	ion Matrix	rix Sampled	Time	Depth Grab/	# of Cont	1781 1781						Sample	Sample Comments
(1) SHKL	S	1/1/25	5 1205	1-1		X							
TH-16 (4.1')		_	1220	1,1,7	_	  							
(1) LI-HT			1225	1,1									
TH-17 (4.1)			1240	4.1.									
(1) 81-HL			1245	1,1									
TH-18 (4.1.	^	>	1300	4.1.	>	^ ^ ^							
Total 200.7 / 6010	200.8 / 6020:		8RCRA 13PPM	PM Texas 11	Al Sb A	s Ba Be B Cc	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Tl Sn U V Zn	Pb Mg A	An Mo Ni	K Se Ag	SiO <sub>2</sub> Na Sr	TI Sn U V	Zn
Circle Method(s) and Metal(s) to be analyzed	Metal(s) to be a	nalyzed	TCLP/S	TCLP / SPLP 6010 : 8RCRA	CRA Sb	As Ba Be Cd	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	No Ni Se	Ag TI U	Hg: 1	631 / 245.1	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 change of \$85.00 will be enforced unless previously negotiated of Eurofins Xenco. A minimum change of \$85.00 will be enforced unless previously negotiated.	t and relinquishment of sa able only for the cost of sa rge of \$85.00 will be appli	amples constitute amples and shall lied to each proje	ss a valid purchase ord not assume any respo ect and a charge of \$5	der from client compa onsibility for any losses i for each sample subn	ny to Eurofins s or expenses nitted to Euro	Xenco, its affiliates an incurred by the client instance, but not an	d subcontractors. It assigns star if such losses are due to circums alyzed. These terms will be enfo	ndard terms a stances beyon orced unless pr	nd conditions d the control eviously negotis	ated.			
Relinguished by (Signature)	nature)	Receive	Received by: (Signature)	(e.	,	Date/Time	Relinquished by: (Signature)	(Signature	()	Received b	Received by: (Signature)	(a)	Date/Time
1 way sa	lach	D	8		1 do 45	DIM SK	2						
3		1											

### **Login Sample Receipt Checklist**

Client: Crain Environmental Job Number: 880-53408-1 SDG Number: Lea Co, NM

Login Number: 53408 List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

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

Generated 1/29/2025 10:03:53 AM

## **JOB DESCRIPTION**

Lamunyan 22 Lea CO, NM

### **JOB NUMBER**

880-53648-1

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 10:03:53 AM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 Client: Crain Environmental
Project/Site: Lamunyan 22
Laboratory Job ID: 880-53648-1
SDG: Lea CO, NM

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Sample Summary	12
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### **Definitions/Glossary**

Client: Crain Environmental Job ID: 880-53648-1
Project/Site: Lamunyan 22 SDG: Lea CO, NM

**Qualifiers** 

**HPLC/IC** 

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 22

Job ID: 880-53648-1

Job ID: 880-53648-1 **Eurofins Midland** 

> Job Narrative 880-53648-1

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.

### **Client Sample Results**

Client: Crain Environmental Job ID: 880-53648-1
Project/Site: Lamunyan 22 SDG: Lea CO, NM

Client Sample ID: TH-5 (2')

Lab Sample ID: 880-53648-1

Date Collected: 01/16/25 17:20 Matrix: Solid
Date Received: 01/24/25 15:35

Sample Depth: 2'

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/29/25 01:05	1

Client Sample ID: TH-5 (3')

Lab Sample ID: 880-53648-2

Date Collected: 01/16/25 17:25 Date Received: 01/24/25 15:35

Sample Depth: 3'

Method: EPA 300.0 - Anions, Ion (		hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.8		10.1		mg/Kg			01/29/25 01:11	1

Eurofins Midland

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Matrix: Solid

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### **QC Sample Results**

Client: Crain Environmental

Project/Site: Lamunyan 22

Job ID: 880-53648-1

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
Analysis Batch: 101377

Lab Sample ID: LCS 880-101325/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid
Analysis Batch: 101377

Spike LCS LCS %Rec

 Analyte
 Added
 Result Qualifier
 Unit
 D
 %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

Prop Type: Soluble

Matrix: Solid
Analysis Batch: 101377

Prep Type: Soluble

Chloride 250 269.0 mg/Kg 108 90 - 110 0 20

### **QC Association Summary**

Client: Crain Environmental Job ID: 880-53648-1
Project/Site: Lamunyan 22 SDG: Lea CO, NM

### HPLC/IC

### Leach Batch: 101325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53648-1	TH-5 (2')	Soluble	Solid	DI Leach	
880-53648-2	TH-5 (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
880-53648-1	TH-5 (2')	Soluble	Solid	300.0	101325
880-53648-2	TH-5 (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

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### **Lab Chronicle**

Client: Crain Environmental

Project/Site: Lamunyan 22

Job ID: 880-53648-1

SDG: Lea CO, NM

Client Sample ID: TH-5 (2')

Date Collected: 01/16/25 17:20 Date Received: 01/24/25 15:35 Lab Sample ID: 880-53648-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 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 01:05	CH	EET MID

Client Sample ID: TH-5 (3')

Lab Sample ID: 880-53648-2

Date Collected: 01/16/25 17:25 Matrix: Solid

Date Received: 01/24/25 15:35

Released to Imaging: 3/24/2025 11:55:50 AM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 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 01:11	CH	EET MID

Laboratory References:

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

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### **Accreditation/Certification Summary**

Client: Crain Environmental Job ID: 880-53648-1
Project/Site: Lamunyan 22 SDG: Lea CO, NM

**Laboratory: Eurofins Midland** 

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

Authority	Program	Identification Number	<b>Expiration Date</b>
Texas	NELAP	T104704400	06-30-25

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### **Method Summary**

Client: Crain Environmental Project/Site: Lamunyan 22

Job ID: 880-53648-1 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

**Eurofins Midland** 

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### **Sample Summary**

Client: Crain Environmental Project/Site: Lamunyan 22

Job ID: 880-53648-1

SDG: Lea CO, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-53648-1	TH-5 (2')	Solid	01/16/25 17:20	01/24/25 15:35	2'
880-53648-2	TH-5 (3')	Solid	01/16/25 17:25	01/24/25 15:35	3'

Revised Date: 08/25/2020 Rev. 2020.2

Date/Time

Received by: (Signature)

Relinquished by: (Signature)

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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 negociated

Received by: (Signature)

Relinguished by: (Manature)

# 880-53648 Chain of Custody Wc

Chain of Custody

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

**Environment Testing** 

eurofins :

Project Manager:	John Com		Bill to:	Bill to: (if different)	Billy More	0	Work Order Comments	Comments
	rain Guironmenta	nestal	Comp	Company Name:			Program: UST/PST	Brownfields ☐ RRC ☐ Superfund
Address:		5.	Address:	55:	11757 Kash Fray	, 54. 725	State of Project: NM	
City, State ZIP:	Dolessa TX	19761	City, S	City, State ZIP:	Howston, TX	77077	Reporting: Level II   Level III	Reporting: Level III   Level III   PST/UST   TRRP   Level IV
Phone:	575) 441-7244	144	Email:	ndy Crai	Cindy. Crain @ 4 mail. rom		Deliverables: EDD AD	ADaPT Other:
Project Name:	Laminyan 22		Turn Around		)	ANALYSIS REQUEST	EST	Preservative Codes
Project Number:		<b>M</b> R₀	MRoutine	- ly	Pres. Code			None: NO DI Water: H <sub>2</sub> O
Project Location:	A Co. NM	Due Date:	Date:					Cool: Cool MeOH: Me
Sampler's Name:	ndy Cain	TAT s	TAT starts the day received by the lab, if received by 4:30pm	day received by ived by 4:30pm				HCL: HC HNO 3: HN
SAMPLE RECEIPT	Temp Blank:	Yes No Wei	Wet Ice:	T	s:1 <del>9</del> 15			
Samples Received Intact:		Thermometer ID:	) <del> </del>	6				NaHSO 4: NABIS
Cooler Custody Seals:	A	Correction Factor:		-				Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>
Sample Custody Seals:	Yes No N/A	Temperature Reading:	ing:	8	2/0			Zn Acetate+NaOH: Zn
Total Containers:	)	Corrected Temperature:	ature:	7	rig			NaOH+Ascorbic Acid: SAPC
Sample Identification	ion Matrix	Date Til	Time Depth	Grab/ # of Comp Cont				Sample Comments
TH-5(2.)		1/4/25 17	1720 2:	7	X			
TH-5 (3.)	S		1725 3.	0	X			
Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	200.8 / 6020: Metal(s) to be anal	8RCR/	8RCRA 13PPM Texas 11 TCLP / SPLP 6010 : 8R		4 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo NTCLP/SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Cr Co Cu Fe Pb Mg	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Tl Sn U V Zn CRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg:1631/245.1/7470 /7471	ir TI Sn U V Zn 1 / 7470 / 7471

### **Login Sample Receipt Checklist**

Client: Crain Environmental Job Number: 880-53648-1 SDG Number: Lea CO, NM

Login Number: 53648 List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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**Appendix D: Photographic Documentation** 

Received by OCD: 3/17/2025 4:04:21 PM Page 118 of 126

### APPENDIX D PHOTOGRAPHIC DOCUMENTATION - JANUARY 16 and 17, 2025 LAMUNYON #022



View to S of TH-1.



View to E of TH-2.



View to S of TH-3.



View to SE of TH-4.



View to NE of TH-5.



View to SE of TH-6.





View to NW of TH-8.



View to N of TH-9.



View to NW of TH-10.

Page 1

### APPENDIX D PHOTOGRAPHIC DOCUMENTATION - JANUARY 16 and 17, 2025 LAMUNYON #022



View to E of TH-11.



View to NW of TH-12.



View to NE of TH-13.



View to NE of TH-14.



View to NE of TH-15.



View of TH-16.



View to N of TH-17.



View to NW of TH-18.

Page 2

Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 443246

### **QUESTIONS**

Operator:	OGRID:
FAE II Operating LLC	329326
11757 Katy Freeway, Suite 725	Action Number:
Houston, TX 77079	443246
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2411049662
Incident Name	NAPP2411049662 C E LAMUNYON #022 @ 30-025-22379
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-22379] C E LAMUNYON #022

Location of Release Source	
Please answer all the questions in this group.	
Site Name	C E Lamunyon #022
Date Release Discovered	04/18/2024
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: Corrosion   Well   Produced Water   Released: 23 BBL   Recovered: 20 BBL   Lost: 3 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 443246

QUESTI	ONS (continued)	
Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725	OGRID: 329326 Action Number:	
Houston, TX 77079	443246	
	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	No	
Reasons why this would be considered a submission for a notification of a major release	Unavailable.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	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 s		
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.	
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of led or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for releating the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: Cindy Crain Email: cindy.crain@gmail.com Date: 03/17/2025	

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

QUESTIONS, Page 3

Action 443246

**QUESTIONS** (continued)

Operator:	OGRID:
FAE II Operating LLC	329326
11757 Katy Freeway, Suite 725	Action Number:
Houston, TX 77079	443246
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

### QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
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)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination	n associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in m	illigrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 CI B)	17400	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	55.6	
GRO+DRO (EPA SW-846 Method 8015M)	55.6	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	05/05/2025	
On what date will (or did) the final sampling or liner inspection occur	06/17/2025	
On what date will (or was) the remediation complete(d)	07/31/2025	
What is the estimated surface area (in square feet) that will be reclaimed	142500	
What is the estimated volume (in cubic yards) that will be reclaimed	21111	
What is the estimated surface area (in square feet) that will be remediated	142500	
What is the estimated volume (in cubic yards) that will be remediated	21111	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 443246

QUESTIONS (continued)

Operator:	OGRID:
FAE II Operating LLC	329326
11757 Katy Freeway, Suite 725	Action Number:
Houston, TX 77079	443246
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

### QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	TNM-55-95 [fAB0000000061]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

Name: Cindy Crain

I hereby agree and sign off to the above statement

Email: cindy.crain@gmail.com

Date: 03/17/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 5

Action 443246

**QUESTIONS** (continued)

Operator:	OGRID:
FAE II Operating LLC	329326
11757 Katy Freeway, Suite 725	Action Number:
Houston, TX 77079	443246
	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

Requesting a remediation closure approval with this submission

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

QUESTIONS, Page 6

Action 443246

**QUESTIONS** (continued)

Operator: FAE II Operating LLC 11757 Katy Freeway, Suite 725 Houston, TX 77079	OGRID:	
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
QUESTIONS		
Sampling Event Information		
Last sampling notification (C-141N) recorded {Unavailable.}		
Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		

No

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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

CONDITIONS

Action 443246

### **CONDITIONS**

Operator:	OGRID:
FAE II Operating LLC	329326
11757 Katy Freeway, Suite 725	Action Number:
Houston, TX 77079	443246
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

### CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. The Variance Request for confirmation samples only being analyzed for chlorides is Denied. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. The Variance Request for 400 ft2 floor confirmation sample size is approved. The release area will still need confirmation sidewall samples representing no more than 200 ft2. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less.	3/24/2025
rhamlet	Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/depth to water determination. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Please make sure that the edge of the release extent is accurately defined, especially around equipment. All off pad areas must meet reclamation standards in the OCD Spill Rule. The work will need to be completed in 90 days after the report has been reviewed.	3/24/2025