

# Revised Remediation Summary and **Closure Report**

March 26, 2025

## Chem State #001 API No. 30-025-08012 Incident No. nAPP2426158921 Lea County, New Mexico

## **Prepared For:**

Octane Energy (For Cambrian Management Ltd.) 310 West Wall Street, Suite 300 Midland, Texas 79701

**Prepared By:** 

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### 1.0 Introduction

Crain Environmental (CE), on behalf of Octane Energy (Octane) for Cambrian Management Ltd. (Cambrian), has prepared this *Revised Remediation Summary and Closure Report* for the crude oil release at Chem State #001 (Site), located approximately 23 miles northwest of Lovington, in Lea County, New Mexico. The global positioning system (GPS) coordinates for the release point are 33.051671, -103.716388. The property surface rights are owned by the State of New Mexico. 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

Pending Cambrian plans to plug and abandon (P&A) the Chem State #1 well, CE conducted a site inspection on October 25, 2023. Hydrocarbon staining was observed at the wellhead.

On December 14, 2023, Octane received a letter from the New Mexico State Land Office (SLO) Environmental Compliance Office (ECO) that provided results of a historical aerial review, and notification of a suspected release at the wellhead.

On March 12, 2024, CE conducted an initial soil investigation at the suspect area and provided a Notice of Release (NOR) to the New Mexico Oil Conservation Division (NMOCD) on September 17, 2024. On September 18, 2024, an Initial C-141 was provided to the NMOCD for Incident #nAPP2426158921.

Soil remediation and P&A activities have been conducted, and a Remediation Summary and Closure Report was submitted to the NMOCD on January 25, 2025. On February 6, 2025, the NMOCD denied closure for the following reasons:

- 1) Based on the information provided on Figure 2, the Soil Sample Analytical Results Map, the excavation measured 700 square feet. Looking at the questions in the C-141 application, you answered "400" to "What is the estimated surface area (in square feet) that will be remediated". Per 19.15.29.12(D)1(c) NMAC, "without division approval, the responsible party may elect to perform a composite and grab sample plan where each composite sample is not representative of more than 200 square feet." Based on the information provided on Figure 2, an adequate number of base samples were not collected as OCD has not approved an alternative composite and grab sample plan for this incident.
- 2) OCD notes that laboratory results from Stockpiles 1-4 indicate it was waste containing per 19.15.29.13 NMAC. Explain whether or not this or any of this soil was used for backfill. If so, it will need to be removed and taken to an OCD approved disposal facility.
- 3) The laboratory results submitted on pg. 19-64 include sample names that do not correspond with the sample names presented in Figure 2 or Table 1. Explain.
- Resubmit an updated remediation closure report in 60 days, by 4/7/25.

This Revised Remediation Summary and Closure Report addresses OCD concerns and is being submitted in accordance with 19.15.29.11 New Mexico Administrative Code (NMAC) for this historical release. Appendix A provides copies of NMOCD communication.

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### 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 that provide data less than 25 years old. Based on the absence of water well data, the most stringent NMOCD Closure Criteria will apply to the Site.

### 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 <u>not</u> 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) and the National Wetlands Inventory May (Figure 4).



- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).
  - The topographic map (Figure 1) and National Wetlands Inventory Map (Figure 4) indicates there is not a lakebed, sinkhole or playa lake located within 200 feet of the Site.

Freshwater emergent wetlands are located approximately 4,350 feet west, 4,660 feet southeast, and 5,000 feet north of the Site. A freshwater pond is located approximately 4,710 feet south 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. Freshwater emergent wetlands are located approximately 4,350 feet west, 4,660 feet southeast, and 5,000 feet north of the Site. A freshwater pond is located approximately 4,710 feet south of the Site.

• 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. Freshwater emergent wetlands are located approximately 4,350 feet west, 4,660 feet southeast, and 5,000 feet north of the Site. A freshwater pond is located approximately 4,710 feet south of the Site.

- 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; however, Freshwater emergent wetlands are located approximately 4,350 feet west, 4,660 feet southeast, and 5,000 feet north of the Site. A freshwater pond is located approximately 4,710 feet south of the Site. 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. Freshwater emergent wetlands are located approximately 4,350 feet west, 4,660 feet southeast, and 5,000 feet north of the Site. A freshwater pond is located approximately 4,350 feet west, 4,660 feet southeast, and 5,000 feet north of the Site. A freshwater pond is located approximately 4,350 feet west, 4,660 feet southeast, and 5,000 feet north of the Site. A freshwater pond is located approximately 4,350 feet west, 4,660 feet southeast, and 5,000 feet north of the Site. A freshwater pond is located approximately 4,350 feet west, 4,660 feet southeast, and 5,000 feet north of the Site. A freshwater pond is located approximately

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4,710 feet south of the Site. 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

The Closure Criteria applicable to the Site will be based on the estimated depth to groundwater, which dictates the most stringent regulatory guidelines typically associated with groundwater depths of less than fifty (50) feet below ground surface (bgs). A summary of the Closure Criteria is provided in the table below and in Table 1.

		Closure Criteria Based on Depth to Groundwater (mg/kg)					
Constit	tuent of Concern	≤ 50 feet bgs	51 feet to 100 feet bgs	> 100 feet bgs			
Chloride (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			

### **NMOCD Closure Criteria**

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 Section 3.1, the exact depth to groundwater beneath the Site is unknown. During investigation activities, a maximum depth of 2 feet bgs was reached, at which groundwater was not encountered.



### 4.3 Wellhead Protection Area

The 0.5-mile wellhead protection area is shown on Figure 3. No known water wells are located within 0.5 mile of the Site that provide groundwater information more recent than 25 years ago. A review of the USFWS wetlands map indicated Freshwater emergent wetlands are located approximately 4,350 feet west, 4,660 feet southeast, and 5,000 feet north of the Site. A freshwater pond is located approximately 4,710 feet south of the Site. There were no other water sources, springs, or other sources of freshwater extraction identified within 0.5-mile of the Site.

### 4.4 Distance to Nearest Significant Watercourse

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

### 4.5 Summary of Remediation Activities

On March 12, 2024, a soil sample (S-1) was collected using a backhoe. Samples collected at depths of 1' bgs and 2' bgs were placed in laboratory prepared containers, properly labeled, immediately placed on ice, and hand delivered to Eurofins Environment Testing (Eurofins) in Midland, Texas for analysis of total petroleum hydrocarbons (TPH) by EPA Method SW846 8015 Modified, benzene, toluene, ethylbenzene, and xylenes (collectively referred to as BTEX) by EPA Method SW 846 8021B, and chlorides by EPA Method 300.0.

Table 1 provides a summary of the laboratory results. Figure 2 shows the sample locations. The laboratory report and chain of custody documentation are provided in Appendix B. As areas of concern to the east and south of the wellhead were being investigated for ECO, the laboratory report includes samples collected from those areas (S-2 through S-10, and TH-1). Photographic documentation is provided in Appendix C.

Referring to Table 1, concentrations of TPH, total BTEX, and chlorides were reported above the Closure Criteria in each sample.

Excavation was conducted until confirmation samples were collected from the bottom and sidewalls of the excavation (S-11 through S-15), and from caliche that was removed from the well pad (Stockpile 1 through Stockpile 4) on September 26, 2024. Soil in Stockpiles 1 through 4 was hauled to GM, Inc. for disposal. Waste manifests are provided in Appendix D.

Table 1 provides a summary of the laboratory results. Figure 2 shows the sample locations. The laboratory report and chain of custody documentation are provided in Appendix B. Photographic documentation is provided in Appendix C.

Referring to Table 1, concentrations of TPH and chlorides were reported above the Closure Criteria in samples S-15, S-11, and S-12. Concentrations of chlorides also exceeded the Closure Criteria in samples S-13 and S-14. Concentrations of BTEX were reported below the test method detection limits or Closure Criteria in all samples.

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Excavation was conducted until five-point composite confirmation samples were collected from the bottom and sidewalls of the excavation (S-1 and S-11 through S-14) on November 4, 2024.

Table 1 provides a summary of the laboratory results. Figure 2 shows the sample locations. The laboratory report and chain of custody documentation are provided in Appendix B. As areas of concern to the east and south of the wellhead were being investigated for ECO, the laboratory report includes samples collected from those areas (S-2, S-18, S-32, and S-34). Photographic documentation is provided in Appendix C.

Referring to Table 1, TPH concentrations were reported above the Closure Criteria in samples S-1 at a depth of 7' bgs, S-11 at depths of 0-4' bgs and 4-7' bgs, S-12 at a depth of 4-7' bgs, and S-13 at a depth of 0-4' bgs. Chloride concentrations were reported above the Closure Criteria in samples S-11 at depths of 0-4' bgs and 4-7' bgs, S-12 at a depth of 0-4' bgs, S-13 at depths of 0-4' bgs, S-12 at a depths of 0-4' bgs and 4-7' bgs, S-13 at depths of 0-4' bgs, and S-14 at depths of 0-4' bgs.

Excavation continued until five-point confirmation samples were collected from the bottom and sidewalls of the excavation (S-1 and S-11 through S-14) on December 18, 2024.

Table 1 provides a summary of the laboratory results. Figure 2 shows the sample locations. The laboratory report and chain of custody documentation are provided in Appendix B. Photographic documentation is provided in Appendix C.

Referring to Table 1, all samples reported TPH, BTEX, and chloride concentrations below the test method detection limits or Closure Criteria.

Following rejection of the January 25, 2025, Remediation Summary and Closure Report, one additional five-point composite sample (S-15) was collected from the bottom of the excavation on February 25, 2025, at a depth of 9' bgs. ECO personnel were in attendance to observe the sample collection.

All confirmation samples were collected pursuant to 19.15.29.12(D) NMAC, and were placed in clean glass sample jars, properly labeled, immediately placed on ice and hand delivered to Eurofins under proper chain-of-custody control for analysis of TPH, BTEX, and chlorides.

Table 1 provides a summary of the laboratory results, and sample locations are provided on Figure 2. The laboratory reports and chain-of-custody documentation are provided in Appendix B. Photographic documentation is provided in Appendix C.

Referring to Table 1, concentrations of all final TPH, BTEX and chlorides were reported below the NMOCD Closure Criteria in all confirmation samples. The dimensions of the final excavation measured 15' x 18' and covered a surface area of 270 square feet.

From September 13 to December 18, 2024, 980 cubic yards (cy) of excavated soil were hauled to disposal at GM Inc. The total volume includes all caliche removed from the surface of the well pad (Stockpile 1 through Stockpile 4). Waste Manifests are provided in Appendix D.



Upon NMOCD approval of this Closure Report, the excavation will be backfilled to grade with nonimpacted similar material obtained from a nearby 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. The dimensions of the final excavation measured 15' x 18' and covered a surface area of 270 square feet.

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

Data reported in Job Numbers 880-40932-1, 880-49108-1, 880-50851-1, 880-52508-1, and 880-54893-1 generated by Eurofins in Midland, Texas, was reviewed to ensure that reported analytical results met data quality objectives. It was determined by quality control data associated with analytical results that reported concentrations of target analytes are defensible and that measurement data reliability is within the expected limits of sampling and analytical error. All analytical results are usable for characterization of soil at the Site. The laboratory analytical results are provided in Appendix B.

### 5.0 Request for Closure

A total of 980 cubic yards of soil was excavated and hauled to disposal at GM Inc. The total volume includes all caliche removed from the surface of the well pad (Stockpiles 1 through Stockpiles 4). All confirmation samples collected from the bottom and sidewalls of the excavation reported TPH, Benzene, BTEX, and chloride concentrations below the NMOCD Closure Criteria. The dimensions of the final excavation measured 15' x 18' and covered a surface area of 270 square feet.

Upon NMOCD approval of this Closure Report, the excavation will be backfilled to grade with nonimpacted similar material obtained from a nearby 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.

On behalf of Cambrian Management Ltd, Octane respectfully requests the closure of Incident #nAPP2426158921.

### 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: New Mexico State Land Office Environmental Compliance Office Via email: eco@nmslo.gov



TABLE

#### TABLE 1 SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS CAMBRIAN MANAGEMENT, LTD. CHEM STATE #001 INCIDENT #nAPP2426158921 (Release at Wellhead)

Sample	ID Sample		Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
campio	Date	Depth		(00)	1 (2)	(		milligrar	ns per kilog	gram (mg/kg)	, All the second s		
	NMOCD Closure Criteria						100	10	-	-	-	50	600
S-1 (1'	) 03/12/24	1 1'	Excavated	2,020	11,800	602	14,400	1.48	17.4	14.8	36.8	70.5	8,750
S-1 (2'	) 03/12/24	1 2'	Excavated	1,670	11,400	681	13,800	2.85	29.9	22.6	54.4	110	6,490
S-15 (6	6) 09/26/24	4 6'	Excavated	<50.0	1,860 +	<50.0	1,860	<0.00200	<0.00200	<0.00200	< 0.00399	< 0.00399	1,840
S-1 (7'	) 11/04/24	4 7'	Excavated	<49.7	1,380	<49.7	1,380						255
S-1 (9'	) 12/18/24	4 9'	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	0.00486	0.0302	0.00402	0.0391	26.0
S-11 (0-	4') 09/26/24	1 0-4'	Excavated	<49.8	115	<49.8	115	<0.00199	<0.00199	<0.00199	< 0.00398	<0.00398	605 F1
S-11 (0-	4') 11/04/24	1 0-4'	Excavated	<49.8	517	<49.8	517						1,620
S-11 (0-	4') 12/18/24	1 0-4'	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	< 0.00398	< 0.00398	54.8
S-11 (4-	6') 09/26/24	4-6'	Excavated	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	< 0.00399	< 0.00399	1,530
S-11 (4-	7') 11/04/24	4-7'	Excavated	<49.8	1,280	<49.8	1,280						3,810
S-11 (4-	9') 12/18/24	1 4-9'	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	< 0.00399	< 0.00399	34.3
S-12 (0-	4') 09/26/24	1 0-4'	Excavated	128 +	6,330 +	<49.7	6,460	0.00588	0.0672	0.00777	0.184	0.265	3,360
S-12 (0-	4') 11/04/24	1 0-4'	Excavated	<49.7	<49.7	<49.7	<49.7				-		765
S-12 (0-	4') 12/18/24	1 0-4'	In Situ	<50.0	<50.0	<50.0	<50.0	< 0.00202	< 0.00202	< 0.00202	< 0.00404	< 0.00404	32.1
S-12 (4-	6') 09/26/24	4-6'	Excavated	<49.8	128 +	<49.8	128	<0.00199	<0.00199	0.0375	0.0046	0.0421	2,790
S-12 (4-	7') 11/04/24	4-7'	Excavated	<50.0	788	<50.0	788						602
S-12 (4-	9') 12/18/24	1 4-9'	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	< 0.00401	<0.00401	32.9
		•											
S-13 (0-	4') 09/26/24	4 0-4'	Excavated	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	< 0.00402	< 0.00402	1,350
S-13 (0-	4') 11/04/24	1 0-4'	Excavated	<49.9	402	<49.9	402						911
S-13 (0-	4') 12/18/24	1 0-4'	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<000200	<0.00200	< 0.00399	<0.00399	71.7
S-13 (4-	6') 09/26/24	4 4-6'	Excavated	<49.7	2,010	<49.7	2,010	<0.00200	<0.00200	0.00692	0.0612	0.0681	6,700
S-13 (4-	7') 11/04/24	4 4-7'	Excavated	<49.8	<49.8	<49.8	<49.8						791
S-13 (4-	9') 12/18/24	4 4-9'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	< 0.00398	<0.00398	65.6
												·	
S-14 (0-	4') 09/26/24	1 0-4'	Excavated	<49.8	76.5 +	<49.8	76.5	< 0.00199	<0.00199	<0.00199	<000398	<0.00398	733
S-14 (0-	4') 11/04/24	4 0-4'	Excavated	<49.8	<49.8	<49.8	<49.8						650
S-14 (0-	4') 12/18/24	4 0-4'	In Situ	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	< 0.00402	<0.00402	55.8
S-14 (4-	6') 09/26/24	4 4-6'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	< 0.00402	<0.00402	565
		·	•			•	•						
S-15 (9	) 02/25/25	5 9'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00200	<000200	<0.00200	< 0.00399	<0.00399	30.3
		·	•		•	•	•						

Notes:

1. GRO: Gasoline Range Organics

2. DRO: Diesel Range Organics

3. MRO: Motor Oil Range Organics

4. -: No NMOCD Closure Criteria established.

5. bgs: Below Ground Surface

6. Bold indicates the COC was above the appropriate laboratory method/sample detection limit.

 $\underline{7. < indicates the COC}$  was below the appropriate laboratory method/sample detection limit.

8. Bold and yellow highlighting indicates the COC was above the appropriate NMOCD Closure Criteria.

9. Green highlighting indicates soil was excavated and disposed.



FIGURES





S-1





LEGEND:	Figure 4		
Site Location	National Wetlands Inventory	Drafted by: CC   Checked by: CC	
	Мар	Draft: Jan. 25, 2025	rain
	Cambrian Management	GPS: 33.051671° -103.716388°	
	Chem State #001		
Base Map From US Fish & Wildlife Service	Lea County, New Mexico		





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**Appendix A: NMOCD Communication** 



# The Oil Conservation Division (OCD) has rejected the application, Application ID: 424711

4 messages

**OCDOnline@state.nm.us** <OCDOnline@state.nm.us> To: cindy.crain@gmail.com Thu, Feb 6, 2025 at 12:16 PM

To whom it may concern (c/o Cindy Crain for CAMBRIAN MANAGEMENT LTD),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2426158921, for the following reasons:

- Remediation closure denied for the following:
- 1) Based on the information provided on Figure 2, the Soil Sample Analytical Results Map, the excavation measured approximately 700 square feet. Looking at the questions in the C-141 application, you answered "400" to "What is the estimated surface area (in square feet) that will be remediated". Per 19.15.29.12(D)1(c) NMAC, "without division approval, the responsible party may elect to perform a composite and grab sample plan where each composite sample is not representative of more than 200 square feet." Based on the information provided on Figure 2, an adequate number of base samples were not collected as OCD has not approved an alternative composite and grab sample plan for this incident.
- 2) OCD notes that laboratory results from Stockpiles 1-4 indicate it was waste-containing per 19.15.29.13 NMAC. Explain whether or not this any of this soil was used for backfill. If so, it will need to be removed and taken to an OCD approved disposal facility.
- 3) The laboratory results submitted on pg. 19-64 include sample names that do not correspond with the sample names presented in Figure 2 or Table 1. Explain.
- Resubmit an updated remediation closure report in 60 days, by 4/7/25.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 424711. Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you, Shelly Wells Environmental Specialist-A 505-469-7520 Shelly.Wells@emnrd.nm.gov

### New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive Santa Fe, NM 87505

Cindy Crain <cindy.crain@gmail.com>

Sun, Feb 16, 2025 at 3:41 PM

To: "Wells, Shelly, EMNRD" <Shelly.Wells@emnrd.nm.gov> Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, Chris Gaddy <chris.gaddy@octane-energy.com>, "David, Deon W." <ddavid@nmslo.gov>, "Biernoff, Ari" <abiernoff@nmslo.gov>, "Heltman, Elaine G." <eheltman@nmslo.gov>, "Elliott, April L." <aelliott@nmslo.gov>, "Graeser, Christopher L." <cgraeser@nmslo.gov>, "Bisbey-Kuehn, Elizabeth A." <ebisbeykuehn@nmslo.gov>

Shelly,

Your denial of Closure at the Cambrian Management, Chem State #1 (Incident #nAPP2426158921) has been received, and I have a few questions/clarifications (provided below in red):

• 1) Based on the information provided on Figure 2, the Soil Sample Analytical Results Map, the excavation measured approximately 700 square feet. Looking at the questions in the C-141 application, you answered

"400" to "What is the estimated surface area (in square feet) that will be remediated". Per 19.15.29.12(D)1(c) NMAC, "without division approval, the responsible party may elect to perform a composite and grab sample plan where each composite sample is not representative of more than 200 square feet." Based on the information provided on Figure 2, an adequate number of base samples were not collected as OCD has not approved an alternative composite and grab sample plan for this incident. The final excavation measured 15' x 18', and square footage reported on the C-141 should be 270. Based on the square footage, do additional samples need to be collected?

- 2) OCD notes that laboratory results from Stockpiles 1-4 indicate it was waste-containing per 19.15.29.13 NMAC. Explain whether or not this any of this soil was used for backfill. If so, it will need to be removed and taken to an OCD approved disposal facility. This well has been P&A'd, all caliche has been removed from the surface of the well pad, and the stockpile samples were collected from that caliche. As mentioned in section 4.5 Summary of Remediation Activities (p6) of the Closure Report, all stockpiled caliche was disposed at GM Inc.
- 3) The laboratory results submitted on pg. 19-64 include sample names that do not correspond with the sample names presented in Figure 2 or Table 1. Explain. As the well has been P&A'd, Cambrian Management has been working with the State Land Office to close the site/lease. Soil investigation at the wellhead and on spots of barren vegetation located east and south of the well resulted in reporting 3 historical releases at Chem State #1 to the OCD (Incident #nAPP2426157644 flowline to east of well, Incident #nAPP2426159828 flowline to south of well, and this release at the wellhead [Incident # nAPP2426158921]). Remediation/sampling was conducted concurrently at each of the 3 releases, and some of the lab results submitted on pg. 19-64 correspond to the other 2 incident locations.
- Resubmit an updated remediation closure report in 60 days, by 4/7/25. Based on the information provided in this email, please let me know if additional samples need to be collected prior to submitting an updated remediation closure report. If samples do not need to be collected, will this information be accepted in lieu of an updated closure report, or does this information need to be provided in an updated remediation closure report?

I appreciate your assistance! I would just like to be clear on OCD expectations prior to submitting a revised report (if necessary).

Thank you, Cindy Crain [Quoted text hidden]

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

#### Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov> To: Cindy Crain <cindy.crain@amail.com>

Mon, Feb 17, 2025 at 10:56 AM

Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, Chris Gaddy <chris.gaddy@octane-energy.com>, "David, Deon W." <ddavid@nmslo.gov>, "Biernoff, Ari" <abiernoff@nmslo.gov>, "Heltman, Elaine G." <eheltman@nmslo.gov>, "Elliott, April L." <aelliott@slo.state.nm.us>, "Graeser, Christopher L." <cgraeser@nmslo.gov>, "Bisbey-Kuehn, Elizabeth A." <ebisbeykuehn@nmslo.gov>

Good morning Cindy,

The excavation boundary on Figure 2 provided in the rejected remediation closure report should be updated to reflect the correct size of the excavation if indeed the final excavation measured 15' x 18'. Per 19.15.29.12(D)1(c) NMAC, "without division approval, the responsible party may elect to perform a composite and grab sample plan where each composite sample is not representative of more than 200 square feet." As an alternative sampling plan was not approved prior to excavation, yes more samples will need collected from the base of the excavation. These should be five-point composite samples, representing no more than 200 square feet.

An email will not be accepted in lieu of an updated remediation closure report which should be submitted online via OCD Permitting.

Shelly

Shelly Wells \* Environmental Specialist-Advanced

**Environmental Bureau** 

**EMNRD-Oil Conservation Division** 

1220 S. St. Francis Drive|Santa Fe, NM 87505

(505)469-7520 Shelly.Wells@emnrd.nm.gov

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

From: Cindy Crain <cindy.crain@gmail.com>
Sent: Sunday, February 16, 2025 2:41 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Chris Gaddy <chris.gaddy@octane-energy.com</p>
>; David, Deon W. <ddavid@nmslo.gov>; Biernoff, Ari <abiernoff@nmslo.gov>; Heltman, Elaine G.
<eheltman@nmslo.gov>; Elliott, April L. <aelliott@slo.state.nm.us>; Graeser, Christopher L.
<cgraeser@nmslo.gov>; Bisbey-Kuehn, Elizabeth A. <ebisbeykuehn@nmslo.gov>
Subject: [EXTERNAL] Fwd: The Oil Conservation Division (OCD) has rejected the application, Application ID: 424711

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

[Quoted text hidden]

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

Mon, Feb 17, 2025 at 11:55 AM

To: OCDOnline@state.nm.us

Cc: Chris Gaddy <chris.gaddy@octane-energy.com>, "Biernoff, Ari" <abiernoff@nmslo.gov>, "Heltman, Elaine G." <eheltman@nmslo.gov>, "Elliott, April L." <aelliott@nmslo.gov>, "Graeser, Christopher L." <cgraeser@nmslo.gov>, "Bisbey-Kuehn, Elizabeth A." <ebisbeykuehn@nmslo.gov>, "David, Deon W." <ddavid@nmslo.gov>

Thank you, Shelly -

Following sampling notifications to the OCD and SLO, an additional sample will be collected from the bottom of the excavation and a revised report will be submitted to the OCD portal and the SLO before 4/7/25.

Sincerely, Cindy Crain [Quoted text hidden] [Quoted text hidden]



Appendix B: Laboratory Reports and Chain-of-Custody Documentation Received by OCD: 3/26/2025 8:20:29 PM



**Environment Testing** 

# **ANALYTICAL REPORT**

# **PREPARED FOR**

Attn: Cindy Crain Crain Environmental 2925 E. 17th St. Odessa, Texas 79761 Generated 3/28/2024 9:32:33 AM

JOB DESCRIPTION

Chem State #1 Lea Co., NM

## **JOB NUMBER**

880-40932-1

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

AMER

Generated 3/28/2024 9:32:33 AM

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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**Qualifier Description** 

MS and/or MSD recovery exceeds control limits.

Surrogate recovery exceeds control limits, high biased.

Indicates the analyte was analyzed for but not detected.

MS/MSD RPD exceeds control limits

Client: Crain Environmental Project/Site: Chem State #1 Page 27 of 249

efinitions/Glossary	1
Job ID: 880-40932-1 SDG: Lea Co., NM	2
	3
	4

### GC Semi VOA

Qualifiers GC VOA Qualifier

F1

F2 S1+

U

Qualifier	Qualifier Description	
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	8
HPLC/IC		
Qualifier	Qualifier Description	9
U	Indicates the analyte was analyzed for but not detected.	
Metals		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
General Ch	emistry	
Qualifier	Qualifier Description	
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.	
U	Indicates the analyte was analyzed for but not detected.	

## Glossarv

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

## **Definitions/Glossary**

Client: Crain Environmental Project/Site: Chem State #1 Job ID: 880-40932-1 SDG: Lea Co., NM

Glossary (	Continued)
Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Midland

## **Case Narrative**

Job ID: 880-40932-1

Job ID: 880-40932-1

## **Eurofins Midland**

### Job Narrative 880-40932-1

Page 29 of 249

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 3/15/2024 2:51 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 3.7°C.

### **Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (1') (880-40932-1), S-1 (2') (880-40932-2), S-2 (1') (880-40932-3), S-2 (2') (880-40932-4), S-3 (1') (880-40932-5), S-3 (2') (880-40932-6), S-4 (1') (880-40932-7), S-4 (2') (880-40932-8), S-5 (1') (880-40932-9), S-5 (2') (880-40932-10), S-6 (1') (880-40932-11), S-6 (2') (880-40932-12), S-7 (1') (880-40932-13), S-7 (2') (880-40932-14), S-8 (1') (880-40932-15), S-8 (2') (880-40932-16), S-9 (1') (880-40932-17), S-9 (2') (880-40932-18), S-10 (1') (880-40932-19), S-10 (2') (880-40932-20) and T-1 (1') (880-40932-21).

### GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-75818 and analytical batch 880-75949 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (1') (880-40932-1) and S-1 (2') (880-40932-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

### GC Semi VOA

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-75854 and 880-75874 and analytical batch 880-76067 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-75874/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The method blank for preparation batch 880-75874 and analytical batch 880-76067 contained OII Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

### HPLC/IC

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

### Metals

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

### **General Chemistry**

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

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

Result Qualifier

1.48

22.6

38.1

16.3

54.4

## **Client Sample Results**

RL

0.0996

MDL Unit

mg/Kg

D

Prepared

03/18/24 10:27

Client: Crain Environmental Project/Site: Chem State #1

### Client Sample ID: S-1 (1') Date Collected: 03/12/24 14:10

Date Received: 03/15/24 14:51

Sample Depth: 1'

Analyte

Benzene

J	ob ID:	880-	4093	32-1
	SDG:	Lea	Co.,	NM

## Lab Sample ID:

SDG. Lea	4	
ole ID: 880-4 Matri	0932-1 x: Solid	3
		4
		5
Analyzed	Dil Fac	
03/19/24 14:01	50	6
03/19/24 14:01	50	
03/19/24 14:01	50	7
03/19/24 14:01	50	
03/19/24 14:01	50	8
03/19/24 14:01	50	
Analyzed	Dil Fac	9
03/19/24 14:01	50	
03/19/24 14:01	50	10
Analyzed	Dil Fac	11
03/19/24 14:01	1	10
03/19/24 14.01	I	12
Analyzed	Dil Fac	13
03/21/24 00:11	1	
		14
Analyzed	Dil Fac	
03/21/24 00:11	5	
03/21/24 00:11	5	
03/21/24 00:11	5	

Bonzono							•••••	•••••	
Toluene	17.4		0.0996		mg/Kg		03/18/24 10:27	03/19/24 14:01	50
Ethylbenzene	14.8		0.0996		mg/Kg		03/18/24 10:27	03/19/24 14:01	50
m-Xylene & p-Xylene	25.7		0.199		mg/Kg		03/18/24 10:27	03/19/24 14:01	50
o-Xylene	11.1		0.0996		mg/Kg		03/18/24 10:27	03/19/24 14:01	50
Xylenes, Total	36.8		0.199		mg/Kg		03/18/24 10:27	03/19/24 14:01	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	258	S1+	70 - 130				03/18/24 10:27	03/19/24 14:01	50
1,4-Difluorobenzene (Surr)	97		70 - 130				03/18/24 10:27	03/19/24 14:01	50
Method: TAL SOP Total BTEX -	Total BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	70.5		0.199		mg/Kg			03/19/24 14:01	1
Method: SW846 8015 NM - Dies	sel Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	14400		248		mg/Kg			03/21/24 00:11	1
Method: SW846 8015B NM - Di	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2020		248		mg/Kg		03/18/24 12:54	03/21/24 00:11	5
Diesel Range Organics (Over C10-C28)	11800		248		mg/Kg		03/18/24 12:54	03/21/24 00:11	5
Oll Range Organics (Over C28-C36)	602		248		mg/Kg		03/18/24 12:54	03/21/24 00:11	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				03/18/24 12:54	03/21/24 00:11	5
o-Terphenyl	118		70 - 130				03/18/24 12:54	03/21/24 00:11	5
Method: EPA 300.0 - Anions, Io	on Chromatogra	ohy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8750		50.1		mg/Kg			03/19/24 18:04	10
lient Sample ID: S-1 (2')							Lab Sam	ple ID: 880-4	0932-2
ate Collected: 03/12/24 14:15								Matri	ix: Solid
ate Received: 03/15/24 14:51									
Sample Depth: 2'									
Method: SW846 8021B - Volatil			·		11	-	Duon	Anal	
Analyte		Qualifier		MDL	Unit	<u> </u>	Prepared 03/18/24 10:27	Analyzed 03/19/24 14:21	Dil Fac 50
Benzene	2.85				mg/Kg				
Toluene	29.9		0.496		mg/Kg		03/19/24 16:35	03/20/24 16:29	250

**Eurofins Midland** 

03/20/24 16:29

03/19/24 14:21

03/19/24 14:21

03/19/24 14:21

Released to Imaging: 4/25/2025 3:04:33 PM

Ethylbenzene m-Xylene & p-Xylene

Xylenes, Total

o-Xylene

0.496

0.199

0.0994

0.199

mg/Kg

mg/Kg

mg/Kg

mg/Kg

03/19/24 16:35

03/18/24 10:27

03/18/24 10:27

03/18/24 10:27

250

50

50

50

Client: Crain Environmental Project/Site: Chem State #1

Client Sample ID: S-1 (2')

## Date Collected: 03/12/24 14:15 Date Received: 03/15/24 14:51

Sample Depth: 2'

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	255	S1+	70 - 130				03/18/24 10:27	03/19/24 14:21	50
1,4-Difluorobenzene (Surr)	94		70 - 130				03/18/24 10:27	03/19/24 14:21	50
Method: TAL SOP Total BTEX -	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	110		0.496		mg/Kg			03/20/24 16:29	1
Method: SW846 8015 NM - Dies	sel Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	13800		249		mg/Kg			03/21/24 00:32	1
Method: SW846 8015B NM - Die			(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	1670		249		mg/Kg		03/18/24 12:54	03/21/24 00:32	5
(GRO)-C6-C10			0.40				00/10/04 40 54	00/04/04 00 00	_
Diesel Range Organics (Over C10-C28)	11400		249		mg/Kg		03/18/24 12:54	03/21/24 00:32	5
Oll Range Organics (Over C28-C36)	681		249		mg/Kg		03/18/24 12:54	03/21/24 00:32	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				03/18/24 12:54	03/21/24 00:32	5
o-Terphenyl	82		70 - 130				03/18/24 12:54	03/21/24 00:32	5
Method: EPA 300.0 - Anions, Io	on Chromatograp	ony - Solub	le						
Method: EPA 300.0 - Anions, Io Analyte		Qualifier	le RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
				MDL	Unit mg/Kg	<u> </u>	Prepared	Analyzed 03/19/24 18:21	<b>Dil Fac</b>
Analyte Chloride	Result		RL	MDL		<u> </u>			10
Analyte Chloride Client Sample ID: S-2 (1')	Result		RL	MDL		<u> </u>		03/19/24 18:21	10
Analyte Chloride Client Sample ID: S-2 (1') Date Collected: 03/12/24 14:25	Result		RL	MDL		<u> </u>		03/19/24 18:21	10 0932-3
Analyte Chloride Client Sample ID: S-2 (1') Date Collected: 03/12/24 14:25 Date Received: 03/15/24 14:51	Result		RL	MDL		<u>D</u>		03/19/24 18:21	10 0932-3
Analyte Chloride Client Sample ID: S-2 (1') vate Collected: 03/12/24 14:25 vate Received: 03/15/24 14:51 sample Depth: 1'	Result 6490	Qualifier		MDL		<u>D</u>		03/19/24 18:21	10 0932-3
Analyte Chloride Client Sample ID: S-2 (1') Date Collected: 03/12/24 14:25 Date Received: 03/15/24 14:51 Gample Depth: 1' Method: SW846 8021B - Volatil	Result 6490	Qualifier		MDL	mg/Kg	D		03/19/24 18:21	10 0932-3
Analyte Chloride Client Sample ID: S-2 (1') ate Collected: 03/12/24 14:25 ate Received: 03/15/24 14:51 ample Depth: 1' Method: SW846 8021B - Volatil Analyte	Result 6490	Qualifier	RL		mg/Kg		Lab Sam	03/19/24 18:21 ple ID: 880-4 Matri	10 0932-3 x: Solid
Analyte Chloride Chloride Chloride Client Sample ID: S-2 (1') ate Collected: 03/12/24 14:25 ate Received: 03/15/24 14:51 ample Depth: 1' Method: SW846 8021B - Volatil Analyte Benzene	Result 6490	Qualifier ounds (GC Qualifier U	RL		mg/Kg		Lab Sam	03/19/24 18:21 ple ID: 880-4 Matri Analyzed	10 0932-3 x: Solid Dil Fac
Analyte Chloride Chloride Chloride Client Sample ID: S-2 (1') ate Collected: 03/12/24 14:25 ate Received: 03/15/24 14:51 ample Depth: 1' Method: SW846 8021B - Volatil Analyte Benzene Toluene	e Organic Comp Result Result <0.00202	Qualifier ounds (GC Qualifier U F1	RL 50.2		Unit mg/Kg		Lab Sam	03/19/24 18:21 ple ID: 880-4 Matri <u>Analyzed</u> 03/19/24 11:17	10 0932-3 x: Solid
Analyte Chloride Client Sample ID: S-2 (1') pate Collected: 03/12/24 14:25 pate Received: 03/15/24 14:51 pample Depth: 1' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene	e Organic Comp Result <0.00202 0.0191	Qualifier ounds (GC Qualifier U F1 F1	RL 50.2		Unit mg/Kg mg/Kg mg/Kg		Lab Sam	03/19/24 18:21 ple ID: 880-4 Matri Analyzed 03/19/24 11:17 03/19/24 11:17	10 0932-3 x: Solid Dil Fac 1 1 1
Analyte Chloride Client Sample ID: S-2 (1') pate Collected: 03/12/24 14:25 pate Received: 03/15/24 14:51 pample Depth: 1' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result 6490 e Organic Comp Result <0.00202 0.0191 0.0102	Qualifier ounds (GC Qualifier U F1 F1 F1 F2 F1	RL 50.2		Unit mg/Kg mg/Kg mg/Kg		<b>Prepared</b> 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27	03/19/24 18:21 ple ID: 880-4 Matri 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17	10 0932-3 x: Solid Dil Fac 1 1 1 1
Analyte Chloride Client Sample ID: S-2 (1') pate Collected: 03/12/24 14:25 pate Received: 03/15/24 14:51 sample Depth: 1' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	Result 6490 e Organic Comp Result <0.00202 0.0191 0.0102 0.0162	Qualifier Ounds (GC Qualifier U F1 F1 F1 F2 F1 F2 F1 F2 F1	RL           50.2           RL           0.00202           0.00202           0.00202           0.00202           0.00202           0.00202           0.00404		Unit mg/Kg mg/Kg mg/Kg mg/Kg		<b>Prepared</b> 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27	03/19/24 18:21 ple ID: 880-4 Matri 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17	10 0932-3 x: Solid Dil Fac 1 1 1 1 1
Analyte Chloride Client Sample ID: S-2 (1') Date Collected: 03/12/24 14:25 Date Received: 03/15/24 14:51 Sample Depth: 1' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate	Result 6490 6490 e Organic Comp Result <0.00202 0.0191 0.0102 0.0162 0.00660 0.0228 %Recovery	Qualifier Ounds (GC Qualifier U F1 F1 F1 F2 F1 F2 F1 F2 F1	RL         50.2         RL         0.00202         0.00202         0.00202         0.00202         0.00202         0.00404         0.00202		Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27	03/19/24 18:21 ple ID: 880-4 Matri 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17	10 0932-3 x: Solid 
Analyte Chloride Chloride Client Sample ID: S-2 (1') Date Collected: 03/12/24 14:25 Date Received: 03/15/24 14:51 Sample Depth: 1' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total	Result 6490 6490 e Organic Comp Result <0.00202 0.0191 0.0102 0.0162 0.00660 0.0228	Qualifier Ounds (GC Qualifier U F1 F1 F2 F1 F2 F1 F2 F1 F2 F1	RL           50.2           RL           0.00202           0.00202           0.00202           0.00202           0.00202           0.00202           0.00202           0.00202           0.00202           0.00202           0.00202           0.00404           0.00404		Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		<b>Prepared</b> 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27	03/19/24 18:21 ple ID: 880-4 Matri 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17	10 0932-3 x: Solid 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Chloride Chloride Client Sample ID: S-2 (1') Date Collected: 03/12/24 14:25 Date Received: 03/15/24 14:51 Sample Depth: 1' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate	Result 6490 6490 e Organic Comp Result <0.00202 0.0191 0.0102 0.0162 0.00660 0.0228 %Recovery	Qualifier Ounds (GC Qualifier U F1 F1 F2 F1 F2 F1 F2 F1 F2 F1	RL         50.2         8         0.00202         0.00202         0.00202         0.00202         0.00202         0.00202         0.00202         0.00202         0.00404         0.00404         Limits		Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27	03/19/24 18:21 ple ID: 880-4 Matri 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17	10 0932-3 x: Solid 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Chloride Chloride Client Sample ID: S-2 (1') Date Collected: 03/12/24 14:25 Date Received: 03/15/24 14:51 Sample Depth: 1' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	Result           6490           e Organic Comp           Result           <0.00202	Qualifier Ounds (GC Qualifier U F1 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 Cualifier	RL         50.2         9         RL         0.00202         0.00202         0.00202         0.00202         0.00404         0.00202         0.00404         Limits         70 - 130	MDL	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27	03/19/24 18:21 ple ID: 880-4 Matri 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 Analyzed 03/19/24 11:17	10 0932-3 x: Solid 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Chloride Chloride Client Sample ID: S-2 (1') Date Collected: 03/12/24 14:25 Date Received: 03/15/24 14:51 Sample Depth: 1' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	Result           6490           e Organic Comp           Result           <0.00202	Qualifier Qualifier U F1 F1 F2 F1 F2 F1 F2 F1 F2 F1 Qualifier	RL         50.2         9         RL         0.00202         0.00202         0.00202         0.00202         0.00404         0.00202         0.00404         Limits         70 - 130		Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27           03/18/24 10:27	03/19/24 18:21 ple ID: 880-4 Matri 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 03/19/24 11:17 Analyzed 03/19/24 11:17	10 0932-3 x: Solid 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Eurofins Midland

Job ID: 880-40932-1

SDG: Lea Co., NM

Matrix: Solid

5

Lab Sample ID: 880-40932-2

Client: Crain Environmental
Project/Site: Chem State #1

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### Client Sample ID: S-2 (1') Date Collected: 03/12/24 14:25

Date Received: 03/15/24 14:51

Sample Depth: 1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	603		49.8		mg/Kg			03/21/24 01:15	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		03/18/24 12:54	03/21/24 01:15	1
Diesel Range Organics (Over C10-C28)	546		49.8		mg/Kg		03/18/24 12:54	03/21/24 01:15	1
Oll Range Organics (Over C28-C36)	56.8		49.8		mg/Kg		03/18/24 12:54	03/21/24 01:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				03/18/24 12:54	03/21/24 01:15	1
o-Terphenyl	83		70 - 130				03/18/24 12:54	03/21/24 01:15	1
o reipitelly	00		10 - 100				00/10/2112:01	00/2//2/01//0	,
		ohy - Solubl					00,10,21,12.01		
Method: EPA 300.0 - Anions, Ion Analyte	Chromatograp	o <mark>hy - Solubl</mark> Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fac
 Method: EPA 300.0 - Anions, Ion	Chromatograp	-	e	MDL	Unit mg/Kg	<u>D</u>			Dil Fac
Method: EPA 300.0 - Anions, Ion Analyte Chloride	Chromatograp Result	-	e	MDL		D	Prepared	Analyzed	1
Method: EPA 300.0 - Anions, Ion Analyte Chloride Client Sample ID: S-2 (2')	Chromatograp Result	-	e	MDL		<u> </u>	Prepared	Analyzed 03/19/24 18:26 ple ID: 880-4	1
Method: EPA 300.0 - Anions, Ion Analyte Chloride Client Sample ID: S-2 (2') Date Collected: 03/12/24 14:27	Chromatograp Result	-	e	MDL		<u>D</u>	Prepared	Analyzed 03/19/24 18:26 ple ID: 880-4	1 0932-4
Method: EPA 300.0 - Anions, Ion Analyte Chloride Client Sample ID: S-2 (2') Date Collected: 03/12/24 14:27 Date Received: 03/15/24 14:51	Chromatograp Result	-	e	MDL		<u>D</u>	Prepared	Analyzed 03/19/24 18:26 ple ID: 880-4	1 0932-4
Method: EPA 300.0 - Anions, Ion Analyte Chloride Client Sample ID: S-2 (2') Date Collected: 03/12/24 14:27 Date Received: 03/15/24 14:51	Chromatograp Result 198	Qualifier	eRL	MDL		<u>D</u>	Prepared	Analyzed 03/19/24 18:26 ple ID: 880-4	1 0932-4
Method: EPA 300.0 - Anions, Ion Analyte Chloride Client Sample ID: S-2 (2') Date Collected: 03/12/24 14:27 Date Received: 03/15/24 14:51 Sample Depth: 2'	Chromatograp Result 198 Organic Comp	Qualifier	eRL			D	Prepared	Analyzed 03/19/24 18:26 ple ID: 880-4	1 0932-4
Method: EPA 300.0 - Anions, Ion Analyte Chloride Client Sample ID: S-2 (2') Date Collected: 03/12/24 14:27 Date Received: 03/15/24 14:51 Sample Depth: 2' Method: SW846 8021B - Volatile (	Chromatograp Result 198 Organic Comp	Qualifier	e 		mg/Kg		Prepared Lab Sam	Analyzed 03/19/24 18:26 ple ID: 880-4 Matri	1 0932-4 x: Solid
Method: EPA 300.0 - Anions, Ion Analyte Chloride Client Sample ID: S-2 (2') Date Collected: 03/12/24 14:27 Date Received: 03/15/24 14:51 Sample Depth: 2' Method: SW846 8021B - Volatile O Analyte	Chromatograp Result 198 Organic Comp Result	Qualifier	e 		mg/Kg		Prepared Lab Sam	Analyzed 03/19/24 18:26 ple ID: 880-4 Matri Analyzed	1 0932-4 x: Solid Dil Fac
Method: EPA 300.0 - Anions, Ion Analyte Chloride Client Sample ID: S-2 (2') Date Collected: 03/12/24 14:27 Date Received: 03/15/24 14:51 Sample Depth: 2' Method: SW846 8021B - Volatile O Analyte Benzene	Chromatograp Result 198 Organic Comp Result 0.00225	Qualifier	e 		Unit mg/Kg		Prepared Lab Sam	Analyzed 03/19/24 18:26 ple ID: 880-44 Matri Analyzed 03/19/24 11:37	1 0932-4 x: Solid Dil Fac

0.00201

0.00402

Limits

70 - 130

70 - 130

RL

RL

49.7

RL

49.7

49.7

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0.00402

mg/Kg

mg/Kg

MDL

MDL Unit

MDL Unit

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

03/18/24 10:27

03/18/24 10:27

Prepared

03/18/24 10:27

03/18/24 10:27

Prepared

Prepared

Prepared

03/18/24 12:54

03/18/24 12:54

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D

D

03/19/24 11:37

03/19/24 11:37

Analyzed

03/19/24 11:37

03/19/24 11:37

Analyzed

03/19/24 11:37

Analyzed

03/21/24 00:54

Analyzed

03/21/24 00:54

03/21/24 00:54

1

1

1

1

1

1

1

1

Dil Fac

Dil Fac

Dil Fac

Dil Fac

Analyte Gasoline Range Organics

**Diesel Range Organics (Over** 

o-Xylene

Surrogate

Analyte

Analyte

Total TPH

(GRO)-C6-C10

C10-C28)

Total BTEX

Xylenes, Total

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Job ID: 880-40932-1 SDG: Lea Co., NM

## Lab Sample ID: 880-40932-3

Matrix: Solid

5

<0.00201 U

<0.00402 U

95

89

0.0196

595

Result Qualifier

Result Qualifier

Result Qualifier

<49.7 U

534

Qualifier

%Recovery

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

RL

49.7

RL

5.02

Limits

70 - 130

70 - 130

MDL Unit

MDL Unit

mg/Kg

mg/Kg

D

D

Prepared

03/18/24 12:54

Prepared

03/18/24 12:54

03/18/24 12:54

Prepared

J	lob	ID:	880-	4093	32-1
	SI	DG:	Lea	Co.,	NM

Analyzed

03/21/24 00:54

Analyzed

03/21/24 00:54

03/21/24 00:54

Analyzed

03/19/24 18:32

Lab Sample ID: 880-40932-5

### Client Sample ID: S-2 (2') Date Collected: 03/12/24 14:27 Date Received: 03/15/24 14:51

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

Qualifier

61.2

93

85

212

Result Qualifier

%Recovery

Client: Crain Environmental Project/Site: Chem State #1

Sample Depth: 2'

**Oll Range Organics (Over** 

Analyte

C28-C36) Surrogate

1-Chlorooctane

o-Terphenyl

Analyte

Chloride

# Lab Sample ID: 880-40932-4

Matrix: Solid

Dil Fac

Dil Fac

Dil Fac

Matrix: Solid

1

1

1

Client Sample ID: S-3 (1')

Date Collected: 03/12/24 12:35 Date Received: 03/15/24 14:51

Sample Depth: 1'

Method: SW846 8021B - Volati Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00550		0.00198		mg/Kg		03/18/24 10:27	03/19/24 11:58	1
Toluene	0.0153		0.00198		mg/Kg		03/18/24 10:27	03/19/24 11:58	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/18/24 10:27	03/19/24 11:58	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		03/18/24 10:27	03/19/24 11:58	1
o-Xylene	<0.00198		0.00198		mg/Kg		03/18/24 10:27	03/19/24 11:58	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		03/18/24 10:27	03/19/24 11:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				03/18/24 10:27	03/19/24 11:58	1
1,4-Difluorobenzene (Surr)	87		70 - 130				03/18/24 10:27	03/19/24 11:58	1
Method: TAL SOP Total BTEX	- Total BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0208		0.00397		mg/Kg			03/19/24 11:58	1
Method: SW846 8015 NM - Die	sel Range Organ	ics (DRO) (	GC)						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	556		49.8		mg/Kg			03/21/24 01:36	1
Method: SW846 8015B NM - Di	esel Range Orga	nics (DRO)	(GC)						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
/					malla		03/18/24 12:54	03/21/24 01:36	1
•	<49.8	U	49.8		mg/Kg				
Gasoline Range Organics	<49.8	U	49.8		mg/kg				
Gasoline Range Organics (GRO)-C6-C10	<49.8 496	U	49.8		mg/Kg		03/18/24 12:54	03/21/24 01:36	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		U					03/18/24 12:54	03/21/24 01:36	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over		U					03/18/24 12:54 03/18/24 12:54	03/21/24 01:36 03/21/24 01:36	1
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	496	U	49.8		mg/Kg				
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	496		49.8		mg/Kg				
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	496 59.5		49.8 49.8		mg/Kg		03/18/24 12:54	03/21/24 01:36	1

		Clien	nt Sample R	esults	5				
Client: Crain Environmental Project/Site: Chem State #1								Job ID: 880- SDG: Lea	
Client Sample ID: S-3 (1')         Lab Sample ID: 880-409           Date Collected: 03/12/24 12:35         Matrix:           Date Received: 03/15/24 14:51         Sample Depth: 1'									
Method: EPA 300.0 - Anions, Ion		-		MDL	Unit	D	Dreneved	Analyzad	Dil Fac
Analyte Chloride		Qualifier		WIDL	mg/Kg		Prepared	Analyzed 03/19/24 18:37	1
							Lab Cam		0022.0
Client Sample ID: S-3 (2') Date Collected: 03/12/24 12:38 Date Received: 03/15/24 14:51 Sample Depth: 2'								ple ID: 880-4 Matri	x: Solid
Method: SW846 8021B - Volatile						_	<b>_</b>		
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Benzene	0.00303		0.00200		mg/Kg		03/18/24 10:27		1
Toluene Ethylbenzene	0.00589 <0.00200		0.00200 0.00200		mg/Kg		03/18/24 10:27 03/18/24 10:27	03/19/24 12:18 03/19/24 12:18	1
m-Xylene & p-Xylene	<0.00200		0.00200		mg/Kg mg/Kg		03/18/24 10:27	03/19/24 12:18	ر 1
o-Xylene	<0.00400		0.00200		mg/Kg		03/18/24 10:27	03/19/24 12:18	1
Xylenes, Total	<0.00200		0.00400		mg/Kg		03/18/24 10:27	03/19/24 12:18	1
Sumanata	%Recovery	Qualifiar	Limits				Duanawad	Analyzad	
Surrogate 4-Bromofluorobenzene (Surr)	<u>%Recovery</u> 91	Qualifier	70 - 130				Prepared 03/18/24 10:27	Analyzed 03/19/24 12:18	Dil Fac
1,4-Difluorobenzene (Surr)	86		70 - 130 70 - 130				03/18/24 10:27	03/19/24 12:18	1
Method: TAL SOP Total BTEX - Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00892		0.00400		mg/Kg			03/19/24 12:18	1
Method: SW846 8015 NM - Diese	al Pango Organ		60)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	571		49.8		mg/Kg			03/21/24 02:18	1
Method: SW846 8015B NM - Die	sel 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		03/18/24 12:54	03/21/24 02:18	1
Diesel Range Organics (Over C10-C28)	513		49.8		mg/Kg		03/18/24 12:54	03/21/24 02:18	1
Oll Range Organics (Over C28-C36)	57.5		49.8		mg/Kg		03/18/24 12:54	03/21/24 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				03/18/24 12:54	03/21/24 02:18	1
o-Terphenyl	80		70 - 130				03/18/24 12:54	03/21/24 02:18	1
Method: EPA 300.0 - Anions, Ior	n Chromatograp	hy - Solubl	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	58.5		4.99		mg/Kg			03/19/24 18:43	1

Eurofins Midland

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Job ID: 880-40932-1 SDG: Lea Co., NM

## Client Sample ID: S-4 (1') Date Collected: 03/12/24 14:42

## Lab Sample ID: 880-40932-7

Matrix: Solid

5

Client: Crain Environmental

Project/Site: Chem State #1

Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		03/18/24 10:27	03/19/24 12:39	
Toluene	0.0146		0.00200		mg/Kg		03/18/24 10:27	03/19/24 12:39	
Ethylbenzene	0.00297		0.00200		mg/Kg		03/18/24 10:27	03/19/24 12:39	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/18/24 10:27	03/19/24 12:39	
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/18/24 10:27	03/19/24 12:39	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/18/24 10:27	03/19/24 12:39	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	90		70 - 130				03/18/24 10:27	03/19/24 12:39	
1,4-Difluorobenzene (Surr)	89		70 - 130				03/18/24 10:27	03/19/24 12:39	
Method: TAL SOP Total BTEX - T	otal BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	0.0176		0.00400		mg/Kg			03/19/24 12:39	
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	356		49.6		mg/Kg			03/21/24 02:39	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		03/18/24 12:54	03/21/24 02:39	
Diesel Range Organics (Over C10-C28)	356		49.6		mg/Kg		03/18/24 12:54	03/21/24 02:39	
Oll Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		03/18/24 12:54	03/21/24 02:39	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
1-Chlorooctane	86		70 - 130				03/18/24 12:54	03/21/24 02:39	
o-Terphenyl	82		70 - 130				03/18/24 12:54	03/21/24 02:39	
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	55.9		4.98		mg/Kg			03/19/24 18:48	

Dat Date Received: 03/15/24 14:51 Sample Depth: 2'

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00551		0.00201		mg/Kg		03/18/24 10:27	03/19/24 12:59	1
Toluene	0.0248		0.00201		mg/Kg		03/18/24 10:27	03/19/24 12:59	1
Ethylbenzene	0.00365		0.00201		mg/Kg		03/18/24 10:27	03/19/24 12:59	1
m-Xylene & p-Xylene	0.00428		0.00402		mg/Kg		03/18/24 10:27	03/19/24 12:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/18/24 10:27	03/19/24 12:59	1
Xylenes, Total	0.00428		0.00402		mg/Kg		03/18/24 10:27	03/19/24 12:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				03/18/24 10:27	03/19/24 12:59	1

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Client: Crain Environmental
Project/Site: Chem State #1

Client Sample ID: S-4 (2')

Date Collected: 03/12/24 14:45

Date Received: 03/15/24 14:51 Sample Depth: 2'

Sample Depth: 2'	
Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued	(b

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	91		70 - 130				03/18/24 10:27	03/19/24 12:59	
Method: TAL SOP Total BTEX -	Total BTEX Cal	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	0.0382		0.00402		mg/Kg			03/19/24 12:59	
Method: SW846 8015 NM - Dies	sel Range Organ	ics (DRO) (	GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	516		49.9		mg/Kg			03/21/24 01:57	
Method: SW846 8015B NM - Di	esel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		03/18/24 12:54	03/21/24 01:57	
(GRO)-C6-C10									
Diesel Range Organics (Over	460		49.9		mg/Kg		03/18/24 12:54	03/21/24 01:57	
C10-C28)			10.0						
Oll Range Organics (Over C28-C36)	56.2		49.9		mg/Kg		03/18/24 12:54	03/21/24 01:57	
628-636)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	91		70 - 130				03/18/24 12:54	03/21/24 01:57	
o-Terphenyl	86		70 - 130				03/18/24 12:54	03/21/24 01:57	
Method: EPA 300.0 - Anions, Io	on Chromatograp	ohy - Solubl	e						
Analyte	Result	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil F

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.3		5.05		mg/Kg			03/19/24 19:05	1

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

Date Collected: 03/12/24 14:55 Date Received: 03/15/24 14:51 Sample Depth: 1'

Method: SW846 8021B - Volatil	e Organic Comp	ounds (GC	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00202	U	0.00202		mg/Kg		03/18/24 10:27	03/19/24 13:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/18/24 10:27	03/19/24 13:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/18/24 10:27	03/19/24 13:20	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/18/24 10:27	03/19/24 13:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/18/24 10:27	03/19/24 13:20	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/18/24 10:27	03/19/24 13:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				03/18/24 10:27	03/19/24 13:20	1
1,4-Difluorobenzene (Surr)	79		70 - 130				03/18/24 10:27	03/19/24 13:20	1
Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00403	U	0.00403		mg/Kg			03/19/24 13:20	1

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Matrix: Solid

5

Job ID: 880-40932-1 SDG: Lea Co., NM

Lab Sample ID: 880-40932-8

Lab Sample ID: 880-40932-9

Matrix: Solid
### **Client Sample Results**

Client: Crain	Environmental
Project/Site: (	Chem State #1

Je

### Client Sample ID: S-5 (1') Date Collected: 03/12/24 14:55

Date Received: 03/15/24 14:51

Method: SW846 8015 NM - Dies	sel Range Organ	ics (DRO) (	GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			03/20/24 20:41	
Method: SW846 8015B NM - Di	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/18/24 12:54	03/20/24 20:41	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/24 12:54	03/20/24 20:41	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/24 12:54	03/20/24 20:41	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	89		70 - 130				03/18/24 12:54	03/20/24 20:41	
o-Terphenyl	88		70 - 130				03/18/24 12:54	03/20/24 20:41	
Method: EPA 300.0 - Anions, Io	• •	-	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	67.5		4.98		mg/Kg			03/19/24 19:10	
client Sample ID: S-5 (2') ate Collected: 03/12/24 14:57			4.90				Lab Samp	le ID: 880-40	
lient Sample ID: S-5 (2')			4.90				Lab Samp	le ID: 880-40	
Client Sample ID: S-5 (2') ate Collected: 03/12/24 14:57 ate Received: 03/15/24 14:51 ample Depth: 2' Method: SW846 8021B - Volatil	e Organic Comp		)	MDI				le ID: 880-40 Matri	x: Soli
lient Sample ID: S-5 (2') ate Collected: 03/12/24 14:57 ate Received: 03/15/24 14:51 ample Depth: 2' Method: SW846 8021B - Volatil Analyte	e Organic Comp	Qualifier	) RL	MDL	Unit	D	Prepared	le ID: 880-40 Matri Analyzed	x: Soli
lient Sample ID: S-5 (2') ate Collected: 03/12/24 14:57 ate Received: 03/15/24 14:51 ample Depth: 2' Method: SW846 8021B - Volatil Analyte Benzene	e Organic Comp Result <0.00200	Qualifier U	) RL 	MDL	Unit mg/Kg	<u>D</u>	Prepared 03/18/24 10:27	le ID: 880-40 Matri <u>Analyzed</u> 03/19/24 13:40	x: Soli
Ilient Sample ID: S-5 (2') ate Collected: 03/12/24 14:57 ate Received: 03/15/24 14:51 ample Depth: 2' Method: SW846 8021B - Volatil Analyte Benzene Toluene	e Organic Comp Result <0.00200 <0.00200	Qualifier U U	<b>RL</b> 0.00200 0.00200	MDL	Unit mg/Kg mg/Kg	<u>D</u>	Prepared 03/18/24 10:27 03/18/24 10:27	le ID: 880-40 Matri Analyzed 03/19/24 13:40 03/19/24 13:40	x: Soli
Ilient Sample ID: S-5 (2') ate Collected: 03/12/24 14:57 ate Received: 03/15/24 14:51 ample Depth: 2' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene	e Organic Comp Result <0.00200 <0.00200 <0.00200	Qualifier U U U	<b>RL</b> 0.00200 0.00200 0.00200	MDL	Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27	Le ID: 880-40 Matri Matri 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40	x: Sol
Client Sample ID: S-5 (2') ate Collected: 03/12/24 14:57 ate Received: 03/15/24 14:51 ample Depth: 2' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	e Organic Comp Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00401	Qualifier U U U U U	RL 0.00200 0.00200 0.00200 0.00200 0.00401	MDL	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27	Analyzed 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40	x: Soli
Client Sample ID: S-5 (2') ate Collected: 03/12/24 14:57 ate Received: 03/15/24 14:51 ample Depth: 2' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	e Organic Comp Result <0.00200 <0.00200 <0.00200 <0.00401 <0.00200	Qualifier U U U U U U	<b>RL</b> 0.00200 0.00200 0.00200 0.00401 0.00200	MDL	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27	Analyzed 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40	x: Soli
Client Sample ID: S-5 (2') ate Collected: 03/12/24 14:57 ate Received: 03/15/24 14:51 ample Depth: 2' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	e Organic Comp Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00401	Qualifier U U U U U U	RL 0.00200 0.00200 0.00200 0.00200 0.00401	MDL	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27	Analyzed 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40	x: Soli
Client Sample ID: S-5 (2') ate Collected: 03/12/24 14:57 ate Received: 03/15/24 14:51 ample Depth: 2' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total	e Organic Comp Result <0.00200 <0.00200 <0.00200 <0.00401 <0.00200	Qualifier U U U U U U U	<b>RL</b> 0.00200 0.00200 0.00200 0.00401 0.00200	MDL	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27	Analyzed 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40	x: Soli
ilient Sample ID: S-5 (2') ate Collected: 03/12/24 14:57 ate Received: 03/15/24 14:51 ample Depth: 2' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate	e Organic Comp Result <0.00200 <0.00200 <0.00200 <0.00401 <0.00200 <0.00401	Qualifier U U U U U U U	RL 0.00200 0.00200 0.00200 0.00401 0.00200 0.00401	MDL	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27	Analyzed 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40	Dil F
Client Sample ID: S-5 (2') ate Collected: 03/12/24 14:57 ate Received: 03/15/24 14:51 ample Depth: 2' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr)	e Organic Comp Result <0.00200 <0.00200 <0.00200 <0.00401 <0.00200 <0.00401 %Recovery	Qualifier U U U U U U U	RL 0.00200 0.00200 0.00200 0.00401 0.00200 0.00401 Limits	MDL	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 Prepared	Analyzed 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40	x: Soli
Client Sample ID: S-5 (2') ate Collected: 03/12/24 14:57 ate Received: 03/15/24 14:51 ample Depth: 2' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene	e Organic Comp Result <0.00200 <0.00200 <0.00200 <0.00401 <0.00200 <0.00401 %Recovery 81 76 Total BTEX Calc	Qualifier U U U U U Qualifier	RL           0.00200           0.00200           0.00200           0.00200           0.00401           0.00401           Limits           70 - 130	MDL	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 Prepared 03/18/24 10:27	le ID: 880-40 Matri 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40	932-1 x: Soli Dil Fa
Ilient Sample ID: S-5 (2') ate Collected: 03/12/24 14:57 ate Received: 03/15/24 14:51 ample Depth: 2' Method: SW846 8021B - Volatil Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Xylenes, Total Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	e Organic Comp Result <0.00200 <0.00200 <0.00200 <0.00401 <0.00200 <0.00401 %Recovery 81 76 Total BTEX Calc	Qualifier U U U U U Qualifier	RL           0.00200           0.00200           0.00200           0.00200           0.00401           0.00401           Limits           70 - 130		Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	D	Prepared 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 03/18/24 10:27 Prepared 03/18/24 10:27	le ID: 880-40 Matri 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40 03/19/24 13:40	932-10 x: Solid Dil Fa

Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GO	C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/20/24 21:03	1
_ 									
Method: SW846 8015B NM - Diese	el Range Orga	inics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	<b>Result</b> <50.0		<b>RL</b>	MDL	Unit mg/Kg	<u> </u>	Prepared 03/18/24 12:54	Analyzed 03/20/24 21:03	Dil Fac
				MDL		<u>D</u>			Dil Fac
Gasoline Range Organics		U		MDL		<u> </u>			Dil Fac 1
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	MDL	mg/Kg	<u>D</u>	03/18/24 12:54	03/20/24 21:03	Dil Fac 1 1

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Job ID: 880-40932-1 SDG: Lea Co., NM Lab Sample ID: 880-40932-9 Matrix: Solid 5 Client: Crain Environmental

Ethylbenzene m-Xylene & p-Xylene

o-Xylene Xylenes, Total

Surrogate

4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)

Job ID: 880-40932-1 SDG: Lea Co., NM

Lab Sample ID: 880-40932-10

Analyzed

03/20/24 21:03

03/20/24 21:03

Analyzed

03/19/24 19:27

#### Project/Site: Chem State #1 Client Sample ID: S-5 (2') Date Collected: 03/12/24 14:57 Date Received: 03/15/24 14:51 Sample Depth: 2' %Recovery Qualifier Limits Surrogate 1-Chlorooctane 85 70 - 130 83 70 - 130 o-Terphenyl Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Chloride 60.3 5.00 Client Sample ID: S-6 (1') Date Collected: 03/12/24 15:02 Date Received: 03/15/24 14:51 Sample Depth: 1' Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Benzene Toluene

Lab Sample ID: 880-40932-11 Matrix: Solid

Prepared

03/18/24 12:54

03/18/24 12:54

Prepared

D

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
 <0.00199	U	0.00199		mg/Kg		03/18/24 10:27	03/19/24 15:44	1	
<0.00199	U	0.00199		mg/Kg		03/18/24 10:27	03/19/24 15:44	1	-
<0.00199	U	0.00199		mg/Kg		03/18/24 10:27	03/19/24 15:44	1	
<0.00398	U	0.00398		mg/Kg		03/18/24 10:27	03/19/24 15:44	1	
0.00232		0.00199		mg/Kg		03/18/24 10:27	03/19/24 15:44	1	
<0.00398	U	0.00398		mg/Kg		03/18/24 10:27	03/19/24 15:44	1	
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
85		70 - 130				03/18/24 10:27	03/19/24 15:44	1	
77		70 - 130				03/18/24 10:27	03/19/24 15:44	1	

MDL Unit

mg/Kg

Method: TAL SOP Total BTEX - Tot	al BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/19/24 15:44	1
Method: SW846 8015 NM - Diesel F		ics (DRO) (C	GC)			_			

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/20/24 21:24	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		03/18/24 12:54	03/20/24 21:24	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/18/24 12:54	03/20/24 21:24	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/24 12:54	03/20/24 21:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				03/18/24 12:54	03/20/24 21:24	1
o-Terphenyl	85		70 - 130				03/18/24 12:54	03/20/24 21:24	1
_ Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e						
• • •	Pocult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Quanner		= =	•	-		/	2

**Eurofins Midland** 

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Dil Fac

### **Client Sample Results**

Client: Crain Environmental Project/Site: Chem State #1

### Client Sample ID: S-6 (2') Date Collected: 03/12/24 15:06

Date Received: 03/15/24 14:51

Sample Depth: 2'

Job ID: 880-40932-1 SDG: Lea Co., NM

### Lab Sample ID: 880-40932-12

Matrix: Solid

5

Analyte	Organic Comp	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198		0.00198		mg/Kg		03/18/24 10:27	03/19/24 16:04	
Toluene	< 0.00198		0.00198		mg/Kg		03/18/24 10:27	03/19/24 16:04	
Ethylbenzene	< 0.00198		0.00198		mg/Kg		03/18/24 10:27	03/19/24 16:04	
m-Xylene & p-Xylene	< 0.00396		0.00396		mg/Kg		03/18/24 10:27	03/19/24 16:04	
p-Xylene	< 0.00198		0.00198		mg/Kg		03/18/24 10:27	03/19/24 16:04	
Xylenes, Total	< 0.00396		0.00396		mg/Kg		03/18/24 10:27	03/19/24 16:04	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	89		70 - 130				03/18/24 10:27	03/19/24 16:04	
1,4-Difluorobenzene (Surr)	78		70 - 130				03/18/24 10:27	03/19/24 16:04	
Method: TAL SOP Total BTEX - To	otal BTEX Calo	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/19/24 16:04	
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (G	iC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			03/20/24 21:45	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO) (	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/18/24 12:54	03/20/24 21:45	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/24 12:54	03/20/24 21:45	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/24 12:54	03/20/24 21:45	
	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Surrogate			70 - 130				03/18/24 12:54	03/20/24 21:45	
	95		70 - 730						
1-Chlorooctane	95 93		70 - 130 70 - 130				03/18/24 12:54	03/20/24 21:45	
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion	93 Chromatograp	-	70 - 130						
1-Chlorooctane p-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	93 Chromatograp Result	hy - Soluble Qualifier	70 - 130 	MDL		D	03/18/24 12:54 Prepared	Analyzed	Dil Fac
1-Chlorooctane p-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	93 Chromatograp	-	70 - 130	MDL	Unit mg/Kg	D			Dil Fa
1-Chlorooctane p-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride lient Sample ID: S-7 (1')	93 Chromatograp Result	-	70 - 130 	MDL		<u>D</u>	Prepared	Analyzed	Dil Fa
Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride lient Sample ID: S-7 (1') ate Collected: 03/12/24 15:12	93 Chromatograp Result	-	70 - 130 	MDL		<u> </u>	Prepared	Analyzed 03/19/24 19:38 le ID: 880-40	Dil Fac
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride lient Sample ID: S-7 (1') ate Collected: 03/12/24 15:12	93 Chromatograp Result	-	70 - 130 	MDL		<u> </u>	Prepared	Analyzed 03/19/24 19:38 le ID: 880-40	Dil Fac
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride lient Sample ID: S-7 (1') ate Collected: 03/12/24 15:12 ate Received: 03/15/24 14:51	93 Chromatograp Result	-	70 - 130 	MDL		D	Prepared	Analyzed 03/19/24 19:38 le ID: 880-40	Dil Fac
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride lient Sample ID: S-7 (1') ate Collected: 03/12/24 15:12 ate Received: 03/15/24 14:51 ample Depth: 1' Method: SW846 8021B - Volatile (	93 Chromatograp Result 51.8 Organic Comp	Qualifier ounds (GC)	70 - 130 		mg/Kg		Prepared Lab Samp	Analyzed 03/19/24 19:38 le ID: 880-40 Matri	Dil Fa 932-13 x: Solic
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride lient Sample ID: S-7 (1') ate Collected: 03/12/24 15:12 ate Received: 03/15/24 14:51 ample Depth: 1' Method: SW846 8021B - Volatile ( Analyte	93 Chromatograp Result 51.8 Organic Comp Result Result	Qualifier ounds (GC) Qualifier	70 - 130 	MDL	mg/Kg	D	Prepared Lab Samp	Analyzed 03/19/24 19:38 le ID: 880-40 Matri Analyzed	Dil Fac 932-13
1-Chlorooctane o-Terpheny/ Method: EPA 300.0 - Anions, Ion Analyte Chloride lient Sample ID: S-7 (1') ate Collected: 03/12/24 15:12 ate Received: 03/15/24 14:51 ample Depth: 1' Method: SW846 8021B - Volatile (	93 Chromatograp Result 51.8 Organic Comp	Qualifier ounds (GC) Qualifier	70 - 130 		Unit mg/Kg		Prepared Lab Samp	Analyzed 03/19/24 19:38 le ID: 880-40 Matri	Dil Fa 932-13 x: Solic
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride lient Sample ID: S-7 (1') ate Collected: 03/12/24 15:12 ate Received: 03/15/24 14:51 ample Depth: 1' Method: SW846 8021B - Volatile ( Analyte	93 Chromatograp Result 51.8 Organic Comp Result Result	Qualifier ounds (GC) Qualifier	70 - 130 		mg/Kg		Prepared Lab Samp	Analyzed 03/19/24 19:38 le ID: 880-40 Matri Analyzed	Dil Fa 932-13 x: Solic Dil Fa

m-Xylene & p-Xylene <0.00399 U 0.00399 03/18/24 10:27 03/19/24 16:25 mg/Kg 1 o-Xylene <0.00200 U 0.00200 03/18/24 10:27 03/19/24 16:25 mg/Kg 1 Xylenes, Total <0.00399 U 0.00399 mg/Kg 03/18/24 10:27 03/19/24 16:25 1 Surrogate %Recovery Qualifier Limits Prepared Dil Fac Analyzed 4-Bromofluorobenzene (Surr) 93 70 - 130 03/18/24 10:27 03/19/24 16:25 1

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Job ID: 880-40932-1

Released to Imaging: 4/25/2025 3:04:33 PM

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

### **Client Sample Results**

Client: Crain Environmental
Project/Site: Chem State #1

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

Date Collected: 03/12/24 15:12 Date Received: 03/15/24 14:51

Sample Depth: 1'

### Job ID: 880-40932-1 SDG: Lea Co., NM

## Lab Sample ID: 880-40932-13

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	78		70 - 130				03/18/24 10:27	03/19/24 16:25	
Method: TAL SOP Total BTEX -	Total BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/19/24 16:25	1
Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	394		49.9		mg/Kg			03/21/24 03:00	1
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		03/18/24 12:54	03/21/24 03:00	
(GRO)-C6-C10									
Diesel Range Organics (Over	394		49.9		mg/Kg		03/18/24 12:54	03/21/24 03:00	
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/18/24 12:54	03/21/24 03:00	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	95		70 - 130				03/18/24 12:54	03/21/24 03:00	
o-Terphenyl	93		70 - 130				03/18/24 12:54	03/21/24 03:00	
Method: EPA 300.0 - Anions, Ior	Chromatogran	hy - Solubl	•						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.8		5.00		mg/Kg			03/19/24 19:44	

Date Collected: 03/12/24 15:15 Date Received: 03/15/24 14:51 Sample Depth: 2'

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/18/24 10:27	03/19/24 16:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/18/24 10:27	03/19/24 16:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/18/24 10:27	03/19/24 16:45	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/18/24 10:27	03/19/24 16:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/18/24 10:27	03/19/24 16:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/18/24 10:27	03/19/24 16:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				03/18/24 10:27	03/19/24 16:45	1
1,4-Difluorobenzene (Surr)	91		70 - 130				03/18/24 10:27	03/19/24 16:45	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			03/19/24 16:45	1
- Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (	GC)						
Analyte		Qualifier	, RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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03/20/24 22:26

Total TPH

49.8

mg/Kg

162

Matrix: Solid

### **Client Sample Results**

Client: Crain Environmental
Project/Site: Chem State #1

### Client Sample ID: S-7 (2')

Date Collected: 03/12/24 15:15 Date Received: 03/15/24 14:51

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/18/24 12:54	03/20/24 22:26	
Diesel Range Organics (Over C10-C28)	162		49.8		mg/Kg		03/18/24 12:54	03/20/24 22:26	
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/18/24 12:54	03/20/24 22:26	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				03/18/24 12:54	03/20/24 22:26	
o-Terphenyl	99		70 - 130				03/18/24 12:54	03/20/24 22:26	

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

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.5	4.98	mg/Kg			03/19/24 19:49	1

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

Date Collected: 03/12/24 15:19 Date Received: 03/15/24 14:51

Sample Depth: 1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/19/24 16:35	03/20/24 19:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/19/24 16:35	03/20/24 19:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/19/24 16:35	03/20/24 19:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/19/24 16:35	03/20/24 19:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/19/24 16:35	03/20/24 19:01	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/19/24 16:35	03/20/24 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				03/19/24 16:35	03/20/24 19:01	1
	118 - Total BTEX Cald	culation	70 - 130				03/19/24 16:35	03/20/24 19:01	1
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calo Result	Qualifier	RL	MDL		<u>D</u>	03/19/24 16:35	Analyzed	7 1
Method: TAL SOP Total BTEX	- Total BTEX Calo Result <0.00401	Qualifier U ics (DRO) (	RL 0.00401		mg/Kg	<u>D</u>			1
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die	- Total BTEX Calo Result <0.00401	Qualifier U	RL 0.00401	MDL	mg/Kg	D		Analyzed	7 Dil Fac 1 Dil Fac
Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calo Result <0.00401	Qualifier U ics (DRO) ( Qualifier	RL 0.00401		mg/Kg		Prepared	Analyzed 03/20/24 19:01	1
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	- Total BTEX Calc Result <0.00401 esel Range Organ Result <49.7	Qualifier U ics (DRO) ( Qualifier U	RL 0.00401 GC) RL 49.7		mg/Kg Unit		Prepared	Analyzed 03/20/24 19:01 Analyzed	1
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 <0.00401 esel Range Organ Result <49.7	Qualifier U ics (DRO) ( Qualifier U	RL 0.00401 GC) RL 49.7		mg/Kg Unit mg/Kg		Prepared	Analyzed 03/20/24 19:01 Analyzed	1
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH	- Total BTEX Calc Result <0.00401 esel Range Organ Result <49.7	Qualifier U ics (DRO) ( Qualifier U nics (DRO) Qualifier	RL	MDL	mg/Kg Unit mg/Kg	D	Prepared Prepared	Analyzed 03/20/24 19:01 Analyzed 03/20/24 22:05	1 Dil Fac

<49.7 U 49.7 03/18/24 12:54 03/20/24 22:05 Oll Range Organics (Over C28-C36) mg/Kg 1 Surrogate Limits Dil Fac %Recovery Qualifier Prepared Analyzed 70 - 130 03/18/24 12:54 03/20/24 22:05 1-Chlorooctane 92 1 o-Terphenyl 91 70 - 130 03/18/24 12:54 03/20/24 22:05 1

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Job ID: 880-40932-1 SDG: Lea Co., NM Lab Sample ID: 880-40932-14

		Clien	t Sample R	esults	5				
Client: Crain Environmental								Job ID: 880-	40932-1
Project/Site: Chem State #1								SDG: Lea	Co., NM
Client Sample ID: S-8 (1')							Lab Samp	le ID: 880-40	932-15
Date Collected: 03/12/24 15:19									x: Solid
Date Received: 03/15/24 14:51									
Sample Depth: 1'									
Method: EPA 300.0 - Anions, Ion Analyte		Qualifier	e RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.1		4.95		mg/Kg			03/19/24 19:55	1
							Lab Oama		000 40
Client Sample ID: S-8 (2')							Lab Samp	le ID: 880-40	
Date Collected: 03/12/24 15:22								Matri	x: Solid
Date Received: 03/15/24 14:51									
Sample Depth: 2'									
- Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/19/24 16:35	03/20/24 19:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/19/24 16:35	03/20/24 19:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/19/24 16:35	03/20/24 19:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/19/24 16:35	03/20/24 19:21	
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/19/24 16:35	03/20/24 19:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/19/24 16:35	03/20/24 19:21	1
Currente	%Recovery	Qualifier	Limits				Prepared	Analyzad	Dil Fac
Surrogate 4-Bromofluorobenzene (Surr)	<u></u>	Quaimer	70 - 130				03/19/24 16:35	Analyzed 03/20/24 19:21	1
1,4-Difluorobenzene (Surr)	111		70 - 130				03/19/24 16:35	03/20/24 19:21	1
			10-100				00,10,2110.00	00,20,21,10.21	,
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/20/24 19:21	1
_ Method: SW846 8015 NM - Diese	Range Organ	ics (DRO) (	60)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/20/24 19:38	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		03/18/24 12:54	03/20/24 19:38	1
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/18/24 12:54	03/20/24 19:38	1
C10-C28)					5.5				
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/24 12:54	03/20/24 19:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				03/18/24 12:54	03/20/24 19:38	1
							02/10/21 10.51	00/00/04 40:00	1
o-Terphenyl	95		70 - 130				03/18/24 12:54	03/20/24 19:38	1
o-Terphenyl							03/10/24 12.54	03/20/24 19:38	I
	Chromatograp	o <mark>hy - Solubl</mark> Qualifier		MD	Unit	D	Prepared	03/20/24 19:38 Analyzed	, Dil Fac

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Job ID: 880-40932-1 SDG: Lea Co., NM

### Client Sample ID: S-9 (1') Date Collected: 03/12/24 15:27

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

Date Received: 03/15/24 14:51

Client: Crain Environmental

Project/Site: Chem State #1

Sample Depth: 1'

Matrix: Solid

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00198	U	0.00198		mg/Kg	_	03/19/24 16:35	03/20/24 19:42	
Toluene	<0.00198	U	0.00198		mg/Kg		03/19/24 16:35	03/20/24 19:42	
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/19/24 16:35	03/20/24 19:42	
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/19/24 16:35	03/20/24 19:42	
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/19/24 16:35	03/20/24 19:42	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/19/24 16:35	03/20/24 19:42	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	121		70 - 130				03/19/24 16:35	03/20/24 19:42	
1,4-Difluorobenzene (Surr)	113		70 - 130				03/19/24 16:35	03/20/24 19:42	
Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/20/24 19:42	
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	90.0		49.5		mg/Kg			03/20/24 22:47	
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		03/18/24 12:54	03/20/24 22:47	
Diesel Range Organics (Over C10-C28)	90.0		49.5		mg/Kg		03/18/24 12:54	03/20/24 22:47	
Oll Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		03/18/24 12:54	03/20/24 22:47	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	108		70 - 130				03/18/24 12:54	03/20/24 22:47	
o-Terphenyl	111		70 - 130				03/18/24 12:54	03/20/24 22:47	
Method: EPA 300.0 - Anions, Ion	Chromatogra	ohy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	498		4.97		mg/Kg			03/19/24 15:06	
Client Sample ID: S-9 (2')							Lab Samp	le ID: 880-40	932-1
ate Collected: 03/12/24 15:30 ate Received: 03/15/24 14:51							-	Matri	x: Soli
ample Depth: 2'									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)	)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		03/19/24 16:35	03/20/24 20:02	
					-				

4-Bromofluorobenzene (Surr)	113		70 - 130		03/19/24 16:35	03/20/24 20:02	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00399 ไ	U	0.00399	mg/Kg	03/19/24 16:35	03/20/24 20:02	1
o-Xylene	<0.00200 l	U	0.00200	mg/Kg	03/19/24 16:35	03/20/24 20:02	1
m-Xylene & p-Xylene	<0.00399 l	U	0.00399	mg/Kg	03/19/24 16:35	03/20/24 20:02	1
Ethylbenzene	<0.00200 l	U	0.00200	mg/Kg	03/19/24 16:35	03/20/24 20:02	1
Toluene	<0.00200 l	U	0.00200	mg/Kg	03/19/24 16:35	03/20/24 20:02	1
Benzene	<0.00200 0	U	0.00200	mg/Kg	03/19/24 16:35	03/20/24 20:02	1

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### **Client Sample Results**

Client: Crain Environmental
Proiect/Site: Chem State #1

Client Sample ID: S-9 (2')

Date Collected: 03/12/24 15:30

Date Received: 03/15/24 14:51 Sample Depth: 2'

Total BTEX

### Job ID: 880-40932-1 SDG: Lea Co., NM

## Lab Sample ID: 880-40932-18

Analyzed

03/20/24 20:02

Analyzed

03/20/24 20:02

Analyzed

03/21/24 03:21

Prepared

03/19/24 16:35

Prepared

Pronarod

D

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Matrix: Solid

Solid	
	4
	5
Dil Fac 1	6
	7
Dil Fac 1	8
Dil Fac	9
1	10
Dil Fac	11
1	12
1	13

Surrogate %Recovery Qualifier Limits 70 - 130 1,4-Difluorobenzene (Surr) 108 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL

<0.00399 U

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

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

Analyte	Result	Quanner	116	Unit	 Ticpurcu	
Total TPH	267		50.0	mg/Kg		
-						

#### Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier MDL Unit Analyte RL D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 03/18/24 12:54 03/21/24 03:21 mg/Kg (GRO)-C6-C10 **Diesel Range Organics (Over** 50.0 mg/Kg 03/18/24 12:54 03/21/24 03:21 267 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 03/18/24 12:54 03/21/24 03:21 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 89 70 - 130 03/18/24 12:54 03/21/24 03:21 o-Terphenyl 88 70 - 130 03/18/24 12:54 03/21/24 03:21 1

0.00399

ы

MDL Unit

мпі Unit

mg/Kg

Method: EPA 300.0 - Anions, Ion Ch	nromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	192		4.96		mg/Kg			03/19/24 15:28	1

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

Date Collected: 03/12/24 15:34 Date Received: 03/15/24 14:51 Sample Depth: 1'

Lab Sample ID: 880-40932-19 Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/19/24 16:35	03/20/24 20:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/19/24 16:35	03/20/24 20:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/19/24 16:35	03/20/24 20:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/19/24 16:35	03/20/24 20:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/19/24 16:35	03/20/24 20:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/19/24 16:35	03/20/24 20:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				03/19/24 16:35	03/20/24 20:22	1
1,4-Difluorobenzene (Surr)	112		70 - 130				03/19/24 16:35	03/20/24 20:22	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			03/20/24 20:22	1
-			GC)						
Method: SW846 8015 NM - Die	esel Range Organ	ICS (DRO) (	<b>00</b> ,						
Method: SW846 8015 NM - Die Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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Job ID: 880-40932-1 SDG: Lea Co., NM

Matrix: Solid

Lab Sample ID: 880-40932-19

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

Date Collected: 03/12/24 15:34 Date Received: 03/15/24 14:51

Client: Crain Environmental

Project/Site: Chem State #1

Sample Depth: 1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		03/18/24 13:00	03/20/24 11:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/18/24 13:00	03/20/24 11:49	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/18/24 13:00	03/20/24 11:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/18/24 13:00	03/20/24 11:49	1
o-Terphenyl	108		70 - 130				03/18/24 13:00	03/20/24 11:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.8		4.97		mg/Kg			03/19/24 15:35	1

### Client Sample ID: S-10 (2')

Date Collected: 03/12/24 15:38 Date Received: 03/15/24 14:51

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/19/24 16:35	03/20/24 20:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/19/24 16:35	03/20/24 20:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/19/24 16:35	03/20/24 20:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/19/24 16:35	03/20/24 20:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/19/24 16:35	03/20/24 20:43	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/19/24 16:35	03/20/24 20:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				03/19/24 16:35	03/20/24 20:43	1
1,4-Difluorobenzene (Surr)	102		70 - 130				03/19/24 16:35	03/20/24 20:43	1
Method: TAL SOP Total BTEX	- Total BTEX Cal	culation							
		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier	RL 0.00404	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Total BTEX	Result <0.00404	Qualifier U	0.00404	MDL		<u> </u>	Prepared		Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Die	Result <0.00404	Qualifier U	0.00404	MDL		<u>D</u> 	Prepared		Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Die Analyte	Result <0.00404	Qualifier U ics (DRO) ( Qualifier	0.00404		mg/Kg		<u>.</u>	03/20/24 20:43	1
Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Die Analyte Total TPH Total TPH Method: SW846 8015B NM - D	esel Range Organ Result Result 49.9	Qualifier U ics (DRO) (1 Qualifier U	0.00404 GC) RL 49.9		mg/Kg Unit		<u>.</u>	03/20/24 20:43 Analyzed	1

Gasoline Range Organics	<49.9	U	49.9	mg/Kg	03/18/24 13:00	03/20/24 12:10	1
(GRO)-C6-C10							
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg	03/18/24 13:00	03/20/24 12:10	1
C10-C28)							
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg	03/18/24 13:00	03/20/24 12:10	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130		03/18/24 13:00	03/20/24 12:10	1
o-Terphenyl	93		70 - 130		03/18/24 13:00	03/20/24 12:10	1

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Electrical Conductivity (SM 2510B)

2.55

1

		Client	Sample R	esults	;				
Client: Crain Environmental Project/Site: Chem State #1			-					Job ID: 880-4 SDG: Lea (	
Client Sample ID: S-10 (2') Date Collected: 03/12/24 15:38 Date Received: 03/15/24 14:51 Sample Depth: 2'							Lab Samp	le ID: 880-40 Matri	932-20 x: Solid
Method: EPA 300.0 - Anions, Ion Cl Analyte		hy - Soluble Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	173		4.98		mg/Kg			03/19/24 15:43	1
Date Collected: 03/12/24 14:08								Matri	x: 50110
Date Collected: 03/12/24 14:08 Date Received: 03/15/24 14:51 Sample Depth: 1' Method: EPA 300.0 - Anions, Ion Cl	nromatograp	hy - Soluble						Matri	x: 5011a
Date Received: 03/15/24 14:51 Sample Depth: 1' Method: EPA 300.0 - Anions, Ion Cl Analyte	Result	b <mark>hy - Soluble</mark> Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Date Received: 03/15/24 14:51 Sample Depth: 1' Method: EPA 300.0 - Anions, Ion Cł	Result 70.5	Qualifier	RL	MDL	mg/Kg	<u>D</u>	Prepared		Dil Fac         1         Dil Fac
Date Received: 03/15/24 14:51 Sample Depth: 1' Method: EPA 300.0 - Anions, Ion Ct Analyte Chloride Method: LA 29B SAR - Sodium Ads	Result 70.5	Qualifier O Qualifier	5.02		mg/Kg			Analyzed 03/19/24 15:50	Dil Fac
Date Received: 03/15/24 14:51 Sample Depth: 1' Method: EPA 300.0 - Anions, Ion Cf Analyte Chloride Method: LA 29B SAR - Sodium Ads Analyte	Result 70.5 corption Rati Result	Qualifier Qualifier U	5.02 RL		mg/Kg Unit		Prepared	Analyzed 03/19/24 15:50 Analyzed	Dil Fac 1 Dil Fac
Date Received: 03/15/24 14:51 Sample Depth: 1' Method: EPA 300.0 - Anions, Ion Cl Analyte Chloride Method: LA 29B SAR - Sodium Ads Analyte Sodium Adsorption Ratio	Result 70.5 corption Rati Result <0.100	Qualifier Qualifier U	5.02 RL 0.100		mg/Kg Unit NONE		Prepared 03/24/24 19:38	Analyzed 03/19/24 15:50 Analyzed 03/28/24 09:16	Dil Fac 1 Dil Fac 1
Date Received: 03/15/24 14:51 Sample Depth: 1' Method: EPA 300.0 - Anions, Ion Cl Analyte Chloride Method: LA 29B SAR - Sodium Ads Analyte Sodium Adsorption Ratio Exchangeable Sodium Percentage	Result           70.5           corption Rati           Result           <0.100	Qualifier Qualifier U	5.02 RL 0.100		mg/Kg Unit NONE %		Prepared 03/24/24 19:38	Analyzed 03/19/24 15:50 Analyzed 03/28/24 09:16	Dil Fac 1 Dil Fac 1
Date Received: 03/15/24 14:51 Sample Depth: 1' Method: EPA 300.0 - Anions, Ion Ch Analyte Chloride Method: LA 29B SAR - Sodium Ads Analyte Sodium Adsorption Ratio Exchangeable Sodium Percentage General Chemistry - Soluble	Result 70.5 corption Rati <0.100 <0.100 Result	Qualifier Qualifier U U Qualifier	5.02 <b>RL</b> 0.100 0.100	MDL	mg/Kg Unit NONE %	<u>D</u>	Prepared 03/24/24 19:38 03/24/24 19:38	Analyzed 03/19/24 15:50 Analyzed 03/28/24 09:16 03/28/24 09:16	Dil Fac 1 Dil Fac 1 1

0.0100

ds/m

03/27/24 14:02

Client: Crain Environmental Project/Site: Chem State #1

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

Percent Surrogate Recovery (Acceptance Limits) BFB1 DFBZ1 (70-130) (70-130) Lab Sample ID **Client Sample ID** 880-40932-1 S-1 (1') 258 S1+ 97 880-40932-2 S-1 (2') 255 S1+ 94 880-40932-3 S-2 (1') 78 95 880-40932-3 MS 113 S-2 (1') 109 880-40932-3 MSD 90 S-2 (1') 113 880-40932-4 95 89 S-2 (2') 880-40932-5 91 87 S-3 (1') 91 880-40932-6 86 S-3 (2') 880-40932-7 S-4 (1') 90 89 880-40932-8 96 91 S-4 (2') 880-40932-9 79 79 S-5 (1') 880-40932-10 81 76 S-5 (2') 880-40932-11 S-6 (1') 85 77 880-40932-12 89 78 S-6 (2') 93 78 880-40932-13 S-7 (1') 880-40932-14 S-7 (2') 82 91 880-40932-15 109 S-8 (1') 118 880-40932-16 112 111 S-8 (2') 880-40932-17 S-9 (1') 121 113 880-40932-18 S-9 (2') 113 108 880-40932-19 S-10 (1') 118 112 880-40932-20 S-10 (2') 110 102 LCS 880-75818/1-A Lab Control Sample 86 110 LCS 880-75843/1-B Lab Control Sample 102 99 LCSD 880-75818/2-A Lab Control Sample Dup 112 114 LCSD 880-75843/2-B Lab Control Sample Dup 97 102 MB 880-75818/5-A Method Blank 71 92 MB 880-75843/5-B Method Blank 126 127

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

#### Percent Surrogate Recovery (Acceptance Limits) 1001 OTPH1 (70-130) (70-130) Lab Sample ID **Client Sample ID** 880-40932-1 S-1 (1') 117 118 880-40932-2 S-1 (2') 113 82 880-40932-3 S-2 (1') 86 83 880-40932-4 S-2 (2') 93 85 880-40932-5 89 83 S-3 (1') 880-40932-6 S-3 (2') 84 80 880-40932-7 S-4 (1') 86 82 880-40932-8 S-4 (2') 91 86 880-40932-9 89 88 S-5 (1') 880-40932-10 S-5 (2') 85 83 880-40932-11 S-6 (1') 86 85

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Job ID: 880-40932-1 SDG: Lea Co., NM

Prep Type: Total/NA

Prep Type: Total/NA

### **Surrogate Summary**

Client: Crain Environmental Project/Site: Chem State #1

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

Matrix: Solid

SDG: Lea Co., NM	

Job ID: 880-40932-1

Prep	Type:	Total/NA

		1CO1	OTPH1	Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
880-40932-12	S-6 (2')	95	93		
880-40932-13	S-7 (1')	95	93		
880-40932-14	S-7 (2')	99	99		
880-40932-15	S-8 (1')	92	91		
880-40932-16	S-8 (2')	95	95		
880-40932-16 MS	S-8 (2')	98	84		
880-40932-16 MSD	S-8 (2')	91	81		
880-40932-17	S-9 (1')	108	111		
880-40932-18	S-9 (2')	89	88		
880-40932-19	S-10 (1')	106	108		
880-40932-20	S-10 (2')	91	93		
LCS 880-75854/2-A	Lab Control Sample	112	127		
LCS 880-75874/2-A	Lab Control Sample	114	132 S1+		
LCSD 880-75854/3-A	Lab Control Sample Dup	93	99		
LCSD 880-75874/3-A	Lab Control Sample Dup	95	104		
MB 880-75854/1-A	Method Blank	174 S1+	195 S1+		
MB 880-75874/1-A	Method Blank	139 S1+	155 S1+		
0					
Surrogate Legend 1CO = 1-Chlorooctane					

OTPH = o-Terphenyl

### **QC Sample Results**

Client: Crain Environmental Project/Site: Chem State #1

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

Lab Sample ID: MB 880-75818/5-A Matrix: Solid Analysis Batch: 75949										Client S	ample ID: Metho Prep Type: <sup>*</sup> Prep Batc	Total/NA
	MB	МВ										
Analyte	Result	Qualifier	RL		MDL	Unit		D	Р	repared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200			mg/Kg	]		03/1	8/24 10:27	03/19/24 10:55	1
Toluene	<0.00200	U	0.00200			mg/Kg	9		03/1	8/24 10:27	03/19/24 10:55	1
Ethylbenzene	<0.00200	U	0.00200			mg/Kg	9		03/1	8/24 10:27	03/19/24 10:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400			mg/Kg	]		03/1	8/24 10:27	03/19/24 10:55	1
o-Xylene	<0.00200	U	0.00200			mg/Kg	9		03/1	8/24 10:27	03/19/24 10:55	1
Xylenes, Total	<0.00400	U	0.00400			mg/Kg	9		03/1	8/24 10:27	03/19/24 10:55	1
	МВ	МВ										
Surrogate	%Recovery	Qualifier	Limits						P	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130						03/1	8/24 10:27	03/19/24 10:55	1
1,4-Difluorobenzene (Surr)	92		70 - 130						03/1	8/24 10:27	03/19/24 10:55	1
- Lab Sample ID: LCS 880-75818/1-A								С	ient	Sample	ID: Lab Control	Sample
Matrix: Solid											Prep Type:	Total/NA
Analysis Batch: 75949											Prep Batc	h: <b>75818</b>
-			Spike	LCS	LCS						%Rec	
Analyte			Added	Result	Quali	ifier	Unit		D	%Rec	Limits	
Benzene			0.100	0.1051			mg/Kg		_	105	70 - 130	
Toluene			0.100	0.09296			mg/Kg			93	70 - 130	
Ethylbenzene			0.100	0.09164			mg/Kg			92	70 - 130	
m-Xylene & p-Xylene			0.200	0.1828			mg/Kg			91	70 - 130	
o-Xylene			0.100	0.09074			mg/Kg			91	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

### Lab Sample ID: LCSD 880-75818/2-A

#### Matrix: Solid the second second

Analysis Batch: 75949							Prep	Batch:	75818
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1102		mg/Kg		110	70 - 130	5	35
Toluene	0.100	0.1059		mg/Kg		106	70 - 130	13	35
Ethylbenzene	0.100	0.1194		mg/Kg		119	70 - 130	26	35
m-Xylene & p-Xylene	0.200	0.2441		mg/Kg		122	70 - 130	29	35
o-Xylene	0.100	0.1211		mg/Kg		121	70 - 130	29	35

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

#### Lab Sample ID: 880-40932-3 MS Matrix: Solid

### Analysis Batch: 75949

Analysis Batch: 75949									Pre	p Batch: 75818
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U	0.0996	0.08472		mg/Kg		84	70 - 130	
Toluene	0.0191	F1	0.0996	0.08700	F1	mg/Kg		68	70 - 130	

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Client Sample ID: S-2 (1')

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

### **QC Sample Results**

Client: Crain Environmental Project/Site: Chem State #1

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

Lab Sample ID: 880-40932-3 MS	1							C	lient Sample		
Matrix: Solid									Prep Ty		
Analysis Batch: 75949									Prep E	Batch:	75818
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Ethylbenzene	0.0102	F1	0.0996	0.09058		mg/Kg		81	70 - 130		
m-Xylene & p-Xylene	0.0162	F2 F1	0.199	0.1764		mg/Kg		80	70 - 130		
o-Xylene	0.00660	F2 F1	0.0996	0.08555		mg/Kg		79	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	113		70 - 130								
1,4-Difluorobenzene (Surr)	109		70 - 130								
Lab Sample ID: 880-40932-3 MS	D							c	lient Sample	e ID: S	-2 (1')
Matrix: Solid	_								Prep Ty		
Analysis Batch: 75949										Batch:	
,,	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	0.09430		mg/Kg		93	70 - 130	11	35
Toluene	0.0191	F1	0.100	0.08435	F1	mg/Kg		65	70 - 130	3	35
Ethylbenzene	0.0102	F1	0.100	0.06465	F1	mg/Kg		54	70 - 130	33	35
m-Xylene & p-Xylene	0.0162	F2 F1	0.200	0.1213	F2 F1	mg/Kg		52	70 - 130	37	35
o-Xylene	0.00660	F2 F1	0.100	0.05836	F2 F1	mg/Kg		52	70 - 130	38	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	90		70 - 130								
1,4-Difluorobenzene (Surr)	113		70 - 130								
Lab Sample ID: MB 880-75843/5	-В							Client S	ample ID: M	ethod	Blank
Matrix: Solid									Prep Ty		
Analysis Batch: 76073										Batch:	
-		МВ МВ									

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/19/24 16:35	03/20/24 12:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/19/24 16:35	03/20/24 12:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/19/24 16:35	03/20/24 12:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/19/24 16:35	03/20/24 12:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/19/24 16:35	03/20/24 12:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/19/24 16:35	03/20/24 12:56	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed
4-Bromofluorobenzene (Surr)	126		70 - 130	03/19/24 16:35	03/20/24 12:56
1,4-Difluorobenzene (Surr)	127		70 _ 130	03/19/24 16:35	03/20/24 12:56

#### Lab Sample ID: LCS 880-75843/1-B Matrix: Solid Analysis Batch: 76073

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.09124		mg/Kg		91	70 - 130
Toluene	0.100	0.08438		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.08539		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1830		mg/Kg		92	70 - 130

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Prep Type: Total/NA

Prep Batch: 75843

Client Sample ID: Lab Control Sample

### Job ID: 880-40932-1 SDG: Lea Co., NM

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

Analysis Batch: 76073			Spike	201	LCS				%Rec	Batch:	/ 3043
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
o-Xylene			0.100	0.09566		mg/Kg		96	70 - 130		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)			70 - 130								
1,4-Difluorobenzene (Surr)	99		70 - 130								
Lab Sample ID: LCSD 880-7	′5843/2-B					Clie	nt San	ple ID:	Lab Contro	ol Sampl	e Dup
Matrix: Solid										· Type: To	
Analysis Batch: 76073									Prep	Batch:	75843
-			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Benzene			0.100	0.09471		mg/Kg		95	70 - 130	4	35
Toluene			0.100	0.08688		mg/Kg		87	70 - 130	3	35
Ethylbenzene			0.100	0.09144		mg/Kg		91	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.1854		mg/Kg		93	70 - 130	1	35
o-Xylene			0.100	0.09346		mg/Kg		93	70 - 130	2	35
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
	97		70 - 130								
4-Bromofluorobenzene (Surr)			70 - 130								

Lab Sample ID: MB 880-75854/1-A							Client Sa	mple ID: Metho	d Blank
Matrix: Solid								Prep Type: 1	Total/NA
Analysis Batch: 76067								Prep Batch	n: 75854
	МВ	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		03/18/24 12:54	03/20/24 18:35	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/18/24 12:54	03/20/24 18:35	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/24 12:54	03/20/24 18:35	1
	MB	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	174	S1+	70 - 130				03/18/24 12:54	03/20/24 18:35	1
o-Terphenyl	195	S1+	70 - 130				03/18/24 12:54	03/20/24 18:35	1
- Lab Sample ID: LCS 880-75854/2-A						c	Client Sample I	D: Lab Control	Sample
Matrix: Solid								Prep Type: 1	Fotal/NA
Analysis Batch: 76067								Prep Batch	
			Sniko					% Poc	

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	890.4		mg/Kg		89	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	894.5		mg/Kg		89	70 - 130
C10-C28)							

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### **QC Sample Results**

Client: Crain Environmental Project/Site: Chem State #1

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

	A/D A						Client	Comple			
Lab Sample ID: LCS 880-7585	04/2-A						Client	Sample	Dram 7		
Matrix: Solid										ype: To	
Analysis Batch: 76067									Prep	Batch:	/5854
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	112		70 - 130								
o-Terphenyl	127		70 _ 130								
											_
Lab Sample ID: LCSD 880-756	854/3-A					Cliei	nt San	ipie iD:	Lab Contro		
Matrix: Solid										ype: To	
Analysis Batch: 76067										Batch:	
			Spike		LCSD		_	~ -	%Rec		RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	987.4		mg/Kg		99	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	920.1		mg/Kg		92	70 - 130	3	20
	LCSD	LCSD									
Surrogate	%Recovery		Limits								
1-Chlorooctane	93		70 - 130								
o-Terphenyl	99		70 - 130								
Lab Sample ID: 880-40932-16	MS							c	lient Samp	le ID: S-	-8 (2')
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 76067										Batch:	
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	990.3		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	859.7		mg/Kg		82	70 - 130		
010-020)											
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	84		70 - 130								
Lab Sample ID: 880-40932-16	MSD							C	lient Samp	le ID: S-	-8 (2')
Matrix: Solid										Type: Tot	
Analysis Batch: 76067										Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	-	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	951.4		mg/Kg		93	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	828.7		mg/Kg		79	70 - 130	4	20
	MSD	MSD									

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 _ 130
o-Terphenyl	81		70 - 130

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### **QC Sample Results**

Client: Crain Environmental Project/Site: Chem State #1

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

Lab Sample ID: MB 880-75874	4/1- <b>A</b>									Client Sa	mple ID: N	<mark>lethod</mark>	l Blank
Matrix: Solid											Prep T	ype: To	otal/NA
Analysis Batch: 76067											Prep	Batch:	75874
	Γ	ИВ МВ											
Analyte	Res	ult Qual	ifier	RL	MDL	Unit		D	Pr	epared	Analyze	ed	Dil Fac
Gasoline Range Organics	<50	0.0 U		50.0		mg/Kg	I		03/18	8/24 12:59	03/20/24 0	7:29	1
(GRO)-C6-C10	-												
Diesel Range Organics (Over	<50	0.0 U		50.0		mg/Kg	1		03/18	3/24 12:59	03/20/24 0	7:29	1
C10-C28) Oll Range Organics (Over C28-C36)	<5(	0.0 U		50.0		mg/Kg			03/18	3/24 12:59	03/20/24 0	7.29	1
	-00	0.0 0		00.0		ing/ite	,		00/10	724 12.00	00/20/24 0	1.20	
	I	MB MB											
Surrogate	%Recove	<u> </u>	ifier Lin	nits					Pr	repared	Analyze	ed	Dil Fac
1-Chlorooctane	1	39 S1+	70.	. 130					03/18	8/24 12:59	03/20/24 0	7:29	1
o-Terphenyl	1	55 S1+	70 -	. 130					03/18	8/24 12:59	03/20/24 0	7:29	1
Lab Sample ID: LCS 880-7587	74/2-A							С	lient	Sample I	D: Lab Co	ntrol S	Sample
Matrix: Solid											Prep T		-
Analysis Batch: 76067												Batch:	
,			Spike	LC	S LCS						%Rec		
Analyte			Added	Resu	lt Qua	lifier	Unit		D	%Rec	Limits		
Gasoline Range Organics			1000	951	6		mg/Kg			95	70 - 130		
(GRO)-C6-C10													
Diesel Range Organics (Over C10-C28)			1000	930	0		mg/Kg			93	70 - 130		
010-020)													
	1.00.1	~~											
Surrogato	LCS L		l imite										
	%Recovery		<i>Limits</i>	_									
1-Chlorooctane	%Recovery 114	Qualifier	70 - 130	-									
1-Chlorooctane	%Recovery	Qualifier		-									
1-Chlorooctane o-Terphenyl	%Recovery 4 114 132 S	Qualifier	70 - 130	-			Cli	ent	Sam	ple ID: La	ab Control	Samp	le Dup
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-75	%Recovery 4 114 132 S	Qualifier	70 - 130	-			Cli	ent	Sam	ple ID: La	ab Control Prep T		-
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-75 Matrix: Solid	%Recovery 4 114 132 S	Qualifier	70 - 130	-			Cli	ent	Sam	ple ID: La	Prep T	ype: To	otal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-75 Matrix: Solid	%Recovery 4 114 132 S	Qualifier	70 - 130	- LCS	) LCS	D	Cli	ent	Sam	ple ID: La	Prep T	ype: To	otal/NA 75874
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-75 Matrix: Solid Analysis Batch: 76067	%Recovery 4 114 132 S	Qualifier	70 - 130 70 - 130		D LCS It Qua		Cli	ent	Sam	ple ID: La %Rec	Prep Ty Prep	ype: To	otal/NA 75874 RPD
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-75 Matrix: Solid Analysis Batch: 76067 Analyte	%Recovery 4 114 132 S	Qualifier	70 - 130 70 - 130 70 - 130 Spike		t Qua			ent		-	Prep Ty Prep %Rec	ype: To Batch:	otal/NA 75874 RPC Limi
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-75 Matrix: Solid Analysis Batch: 76067 Analyte Gasoline Range Organics	%Recovery 4 114 132 S	Qualifier	70 - 130 70 - 130 Spike Added	Resu	t Qua		Unit	ent		%Rec	Prep Ty Prep %Rec Limits	ype: To Batch: RPD	otal/NA 75874 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-75 Matrix: Solid Analysis Batch: 76067 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 4 114 132 S	Qualifier	70 - 130 70 - 130 Spike Added	Resu	7 7		Unit	ent		%Rec	Prep Ty Prep %Rec Limits	ype: To Batch: RPD	tal/NA 75874 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-75 Matrix: Solid Analysis Batch: 76067 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<u>%Recovery</u> <u>114</u> 114 132 S 874/3-A	Qualifier 61+	70 - 130 70 - 130 <b>Spike</b> Added 1000	<b>Resu</b> 926	7 7		Unit mg/Kg	ent		%Rec	Prep Ty Prep %Rec Limits 70 - 130	ype: To Batch: RPD 3	rtal/NA 75874 RPD Limit
Lab Sample ID: LCSD 880-75 Matrix: Solid Analysis Batch: 76067 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<u>%Recovery</u> <u>6</u> 114 132 S 874/3-A	Qualifier 51+	70 - 130 70 - 130 <b>Spike</b> Added 1000	<b>Resu</b> 926	7 7		Unit mg/Kg	ent		%Rec	Prep Ty Prep %Rec Limits 70 - 130	ype: To Batch: RPD 3	tal/NA 75874 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-756 Matrix: Solid Analysis Batch: 76067 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	<u>%Recovery</u> 0 114 132 S 874/3-A 	Qualifier 51+	70 - 130 70 - 130 <b>Spike</b> Added 1000 1000	<b>Resu</b> 926	7 7		Unit mg/Kg	ent		%Rec	Prep Ty Prep %Rec Limits 70 - 130	ype: To Batch: RPD 3	tal/NA 75874 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-75 Matrix: Solid Analysis Batch: 76067 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	<u>%Recovery</u> <u>6</u> <u>114</u> <u>132</u> <u>5</u> <b>874/3-A</b> <u>LCSD</u> <u>L</u> <u>%Recovery</u> <u>6</u> <u>95</u>	Qualifier 51+	70 - 130 70 - 130 70 - 130 <b>Spike</b> Added 1000 1000 1000 200 1000	<b>Resu</b> 926	7 7		Unit mg/Kg	ent		%Rec	Prep Ty Prep %Rec Limits 70 - 130	ype: To Batch: RPD 3	tal/NA 75874 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-756 Matrix: Solid Analysis Batch: 76067 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	<u>%Recovery</u> <u>6</u> <u>114</u> <u>132</u> <u>5</u> <b>874/3-A</b> <u>LCSD</u> <u>L</u> <u>%Recovery</u> <u>6</u> <u>95</u> <u>104</u>	Qualifier 51+ Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 1000 200 1000 1000 1000	<b>Resu</b> 926	7 7		Unit mg/Kg	ent		%Rec	Prep Ty Prep %Rec Limits 70 - 130	ype: To Batch: RPD 3	tal/NA 75874 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-756 Matrix: Solid Analysis Batch: 76067 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	<u>%Recovery</u> <u>6</u> <u>114</u> <u>132</u> <u>5</u> <b>874/3-A</b> <u>LCSD</u> <u>L</u> <u>%Recovery</u> <u>6</u> <u>95</u> <u>104</u>	Qualifier 51+ Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 1000 200 1000 1000 1000	<b>Resu</b> 926	7 7		Unit mg/Kg	ent		%Rec	Prep Ty Prep %Rec Limits 70 - 130	ype: To Batch: RPD 3	rtal/NA 75874 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-756 Matrix: Solid Analysis Batch: 76067 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl lethod: 300.0 - Anions, Ic	%Recovery         0           114         132         5           874/3-A         -         -           %Recovery         0         -           %Recovery         0         -           104         -         -           000         Chromato         -	Qualifier 51+ Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 1000 200 1000 1000 1000	<b>Resu</b> 926	7 7		Unit mg/Kg	ent	<u>D</u>	%Rec 93 95	Prep Ty Prep %Rec Limits 70 - 130	ype: To Batch: RPD 3 2	20000000000000000000000000000000000000
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-756 Matrix: Solid Analysis Batch: 76067 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl lethod: 300.0 - Anions, Ic Lab Sample ID: MB 880-7588	%Recovery         0           114         132         5           874/3-A         -         -           %Recovery         0         -           %Recovery         0         -           104         -         -           000         Chromato         -	Qualifier 51+ Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 1000 200 1000 1000 1000	<b>Resu</b> 926	7 7		Unit mg/Kg	ent	<u>D</u>	%Rec 93 95	Prep Ty Prep %Rec Limits 70 - 130 70 - 130	ype: To Batch: RPD 3 2 2	tal/NA 75874 RPD Limit 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-756 Matrix: Solid Analysis Batch: 76067 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Iethod: 300.0 - Anions, Ic Lab Sample ID: MB 880-75880 Matrix: Solid	%Recovery         0           114         132         5           874/3-A         -         -           %Recovery         0         -           %Recovery         0         -           104         -         -           000         Chromato         -	Qualifier 51+ Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 1000 200 1000 1000 1000	<b>Resu</b> 926	7 7		Unit mg/Kg	ent	<u>D</u>	%Rec 93 95	Prep Ty Prep %Rec Limits 70 - 130 70 - 130	ype: To Batch: RPD 3 2 2	1 Blank
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-756 Matrix: Solid Analysis Batch: 76067 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Iethod: 300.0 - Anions, Ic Lab Sample ID: MB 880-75880 Matrix: Solid	<u>%Recovery</u> <u>114</u> <u>132</u> 874/3-A <u>LCSD</u> <u>Keccovery</u> <u>95</u> 104 <u>00n Chromato</u> 6/1-A	Qualifier 51+ Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 1000 200 1000 1000 1000	<b>Resu</b> 926	7 7		Unit mg/Kg	ent	<u>D</u>	%Rec 93 95	Prep Ty Prep %Rec Limits 70 - 130 70 - 130	ype: To Batch: RPD 3 2 2	20000000000000000000000000000000000000
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-756 Matrix: Solid Analysis Batch: 76067 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	<u>%Recovery</u> <u>114</u> <u>132</u> 874/3-A <u>LCSD</u> <u>Keccovery</u> <u>95</u> 104 <u>00n Chromato</u> 6/1-A	Qualifier 31+ Qualifier graph	70 - 130 70 - 130 70 - 130 <b>Spike</b> Added 1000 1000 1000 200 70 - 130 70 - 130	<b>Resu</b> 926	<b>t</b> Qua 7		Unit mg/Kg	D		%Rec 93 95	Prep Ty Prep %Rec Limits 70 - 130 70 - 130	ype: To Batch: RPD 3 2 2 Method	Total/NA 75874 RPD Limit 20 20

Job ID: 880-40932-1 SDG: Lea Co., NM

Client: Crain Environmental

Project/Site: Chem State #1

### Job ID: 880-40932-1 SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-7588 Matrix: Solid	6/2-A						Clien	t Sampl	e ID: Lab Co Prep <sup>-</sup>	ontrol S Type: S	
Analysis Batch: 75993									Trop	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	orabic
Analysis Baton: 10000			Spike	LCS	LCS				%Rec		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
Chloride			250	248.0		mg/Kg		99	90 - 110		
Lab Sample ID: LCSD 880-758 Matrix: Solid	386/3-A					Cli	ent San	nple ID:	Lab Control Prep	l Sampl Type: S	
Analysis Batch: 75993											
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	248.3		mg/Kg		99	90 - 110	0	20
Lab Sample ID: 880-40932-7 M	IS								Client Samp		
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 75993	0	0	Online						% <b>D</b> = -		
Analuto	•	Sample Qualifier	Spike Added		MS Qualifier	Unit	D	%Rec	%Rec Limits		
Analyte Chloride	55.9		249	323.5		mg/Kg		107	90 - 110		
	00.0		245	020.0		ing/itg		107	50 - 110		
Lab Sample ID: 880-40932-7 M Matrix: Solid	ISD								Client Samp Prep	le ID: S Type: S	
Analysis Batch: 75993											
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Chloride	55.9		249	323.9		malla		100	00 110	0	20
	00.0		249	525.9		mg/Kg		108	90 - 110	0	20
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996			249	525.5		mg/ĸg			Sample ID: N		Blank
Lab Sample ID: MB 880-75904 Matrix: Solid		MB MB	249	525.9		mg/kg			Sample ID: N	Nethod	Blank
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte	// <b>1-A</b>	esult Qualifier		RL	MDL Unit	mg/kg	<u>D</u> F		Sample ID: I Prep	Method Type: S	Blank oluble
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996	// <b>1-A</b>				MDL Unit		<u>D</u> F	Client	Sample ID: N Prep	Method Type: S	Blank oluble Dil Fac
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCS 880-75904	//1-A 	esult Qualifier		RL				Client	Sample ID: I Prep Analyza 03/19/24 1 le ID: Lab Co	Method Type: S ed 4:43	Blank oluble Dil Fac
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCS 880-75904 Matrix: Solid	//1-A 	esult Qualifier		RL				Client	Sample ID: I Prep Analyza 03/19/24 1 le ID: Lab Co	Method Type: S ed 4:43	Blank oluble Dil Fac
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCS 880-75904	//1-A 	esult Qualifier	249 	<b>RL</b> 5.00				Client	Sample ID: I Prep Analyza 03/19/24 1 le ID: Lab Co	Method Type: S ed 4:43	Blank oluble Dil Fac 1 ample
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCS 880-75904 Matrix: Solid	//1-A 	esult Qualifier		RL 5.00	mg/Kg			Client	Sample ID: I Prep Analyze 03/19/24 1 le ID: Lab Co Prep	Method Type: S ed 4:43	Blank oluble Dil Fac 1 ample
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCS 880-75904 Matrix: Solid Analysis Batch: 75996	//1-A 	esult Qualifier		RL 5.00	mg/Kg	3	Clien	Client Prepared t Sampl	Sample ID: M Prep Analyze 03/19/24 1 le ID: Lab Co Prep %Rec	Method Type: S ed 4:43	Blank oluble Dil Fac 1 ample
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCS 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride	//1-A  4/2-A	esult Qualifier	Spike	RL 5.00 LCS Result	mg/Kg	g Unit mg/Kg	Clien	Client Prepared t Sampl <u>%Rec</u> 104	Sample ID: I Prep Analyze 03/19/24 1 le ID: Lab Co Prep %Rec Limits	Method Type: S ad 4:43 	Blank oluble Dil Fac 1 ample oluble
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCS 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte	//1-A  4/2-A	esult Qualifier	Spike	RL 5.00 LCS Result	mg/Kg	g Unit mg/Kg	Clien	Client Prepared t Sampl <u>%Rec</u> 104	Sample ID: I Prep Analyze 03/19/24 1 le ID: Lab Co Prep %Rec Limits 90 - 110 Lab Control	Method Type: S ad 4:43 	Blank oluble Dil Fac 1 ample oluble
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCS 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCSD 880-759	//1-A  4/2-A	esult Qualifier	Spike Added 250	RL           5.00           LCS           Result           259.5	LCS Qualifier	g Unit mg/Kg	Clien	Client Prepared t Sampl <u>%Rec</u> 104	Sample ID: I Prep Analyze 03/19/24 1 le ID: Lab Co Prep %Rec Limits 90 - 110 Lab Control Prep	Method Type: S ad 4:43 ontrol S Type: S	Blank oluble Dil Fac
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCS 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCSD 880-759 Matrix: Solid Analysis Batch: 75996	//1-A  4/2-A	esult Qualifier	Spike Added 250 Spike	RL           5.00           LCS           Result           259.5           LCSD	LCS Qualifier	g Unit mg/Kg Cli	Clien D ent San	Client Prepared t Sampl <u>%Rec</u> 104	Sample ID: I Prep Analyze 03/19/24 1 le ID: Lab Co Prep %Rec Limits 90 - 110 Lab Control Prep %Rec	Method Type: S ed 4:43 ontrol S Type: S	Blank oluble Dil Fac ample oluble e Dup oluble
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCS 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCSD 880-759 Matrix: Solid Analysis Batch: 75996	//1-A  4/2-A	esult Qualifier	Spike Added 250 Spike Added	RL           5.00           LCS           Result           259.5           LCSD           Result	LCS Qualifier	Unit Unit Unit	Clien	Client Prepared t Sampl %Rec 104 nple ID: %Rec	Sample ID: I Prep	Method Type: S ed 4:43 ontrol S Type: S I Sampl Type: S RPD	Blank oluble Dil Fac 1 ample oluble e Dup oluble RPD Limit
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCS 880-7590 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCSD 880-759 Matrix: Solid Analysis Batch: 75996	//1-A  4/2-A	esult Qualifier	Spike Added 250 Spike	RL           5.00           LCS           Result           259.5           LCSD	LCS Qualifier	g Unit mg/Kg Cli	Clien D ent San	Client Prepared t Sampl <u>%Rec</u> 104	Sample ID: I Prep Analyze 03/19/24 1 le ID: Lab Co Prep %Rec Limits 90 - 110 Lab Control Prep %Rec	Method Type: S ed 4:43 ontrol S Type: S	Blank oluble Dil Fac 1 ample oluble e Dup oluble RPD Limit
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCS 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCSD 880-759 Matrix: Solid Analysis Batch: 75996 Analyte Chloride	//1-A 	esult Qualifier	Spike Added 250 Spike Added	RL           5.00           LCS           Result           259.5           LCSD           Result	LCS Qualifier	Unit Unit Unit	Clien D ent San	Client Prepared t Sampl %Rec 104 nple ID: %Rec 104	Sample ID: I Prep Analyze 03/19/24 1 de ID: Lab Co Prep %Rec Limits 90 - 110 Kec Limits 90 - 110	Method Type: S ed 4:43 ontrol S Type: S I Sampl Type: S RPD 0	Blank oluble Dil Fac 1 ample oluble ele Dup oluble RPD Limit 20
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCS 880-7590 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCSD 880-759 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: 880-40932-17	//1-A 	esult Qualifier	Spike Added 250 Spike Added	RL           5.00           LCS           Result           259.5           LCSD           Result	LCS Qualifier	Unit Unit Unit	Clien D ent San	Client Prepared t Sampl %Rec 104 nple ID: %Rec 104	Sample ID: I Prep Analyze 03/19/24 1 le ID: Lab Coc Prep %Rec Limits 90 - 110 Lab Control Prep %Rec Limits 90 - 110 Client Samp	Method Type: S ed 4:43 ontrol S Type: S I Sampl Type: S RPD 0	Blank oluble Dil Fac 1 ample oluble RPC Limit 20 -9 (1')
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCS 880-7590 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCSD 880-759 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: 880-40932-17 Matrix: Solid	//1-A 	esult Qualifier	Spike Added 250 Spike Added	RL           5.00           LCS           Result           259.5           LCSD           Result	LCS Qualifier	Unit Unit Unit	Clien D ent San	Client Prepared t Sampl %Rec 104 nple ID: %Rec 104	Sample ID: I Prep Analyze 03/19/24 1 le ID: Lab Coc Prep %Rec Limits 90 - 110 Lab Control Prep %Rec Limits 90 - 110 Client Samp	Method Type: S ed 4:43 ontrol S Type: S I Sampl Type: S RPD 0 le ID: S	Blank oluble Dil Fac 1 ample oluble RPD Limit 20 -9 (1')
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCS 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCSD 880-759 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: 880-40932-17	//1-A 	esult Qualifier U	Spike Added 250 Spike Added	RL           5.00           LCS           Result           259.5           LCSD           Result           259.8	LCS Qualifier	Unit Unit Unit	Clien D ent San	Client Prepared t Sampl %Rec 104 nple ID: %Rec 104	Sample ID: I Prep Analyze 03/19/24 1 le ID: Lab Coc Prep %Rec Limits 90 - 110 Lab Control Prep %Rec Limits 90 - 110 Client Samp	Method Type: S ed 4:43 ontrol S Type: S I Sampl Type: S RPD 0 le ID: S	Blank oluble Dil Fac 1 ample oluble RPD Limit 20 -9 (1')
Lab Sample ID: MB 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCS 880-75904 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: LCSD 880-759 Matrix: Solid Analysis Batch: 75996 Analyte Chloride Lab Sample ID: 880-40932-17 Matrix: Solid	//1-A 	esult Qualifier U	Spike Added 250 Spike Added 250	RL           5.00           LCS           Result           259.5           LCSD           Result           259.8	LCS Qualifier Qualifier	Unit Unit Unit	Clien D ent San	Client Prepared t Sampl %Rec 104 nple ID: %Rec 104	Sample ID: N Prep Analyze 03/19/24 1 le ID: Lab Co Prep %Rec Limits 90 - 110 Lab Control Prep %Rec Limits 90 - 110 Client Samp Prep	Method Type: S ed 4:43 ontrol S Type: S I Sampl Type: S RPD 0 le ID: S	Blank oluble Dil Fac 1 ample oluble RPD Limit 20 -9 (1')

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		QC	C Sample I	Resul	ts								
Client: Crain Environmental											: 880-40		
Project/Site: Chem State #1										SDG	: Lea C	o., NM	
Method: 300.0 - Anions, Io	n Chromatogr	aphy											
Lab Sample ID: 880-40932-17	MSD								c	lient Samp	ole ID: S	-9 (1')	
Matrix: Solid											Type: S		
Analysis Batch: 75996										-	•		ì
	Sample Sam	iple	Spike	MSD	MSD					%Rec		RPD	
Analyte	Result Qua	lifier	Added	Result	Qualifie	Unit		D	%Rec	Limits	RPD	Limit	ĩ
Chloride	498		249	731.8		mg/l	٢g		94	90 - 110	0	20	
Method: SM 2510B - Cond Lab Sample ID: MB 860-15189 Matrix: Solid		fic Cond	luctance						Client S	Sample ID: Prep 1	Method Type: To		
Lab Sample ID: MB 860-15189	98/2		luctance						Client S				
Lab Sample ID: MB 860-15189 Matrix: Solid	)8/2 МВ	MB Qualifier	ductance RL		MDL Un	it	D	F	Client S		Гуре: То		
Lab Sample ID: MB 860-15189 Matrix: Solid Analysis Batch: 151898	)8/2 МВ	MB Qualifier			MDL Un	-	D	F		Prep 1	Type: To	otal/NA	
Lab Sample ID: MB 860-15189 Matrix: Solid Analysis Batch: 151898 Analyte	98/2 MB Result	MB Qualifier	RL			-	<u>D</u>	F		Prep 1 Analyz	Type: To	Dil Fac	
Lab Sample ID: MB 860-15189 Matrix: Solid Analysis Batch: 151898 Analyte	98/2 MB Result	MB Qualifier	RL			-	<u>D</u>	F		Prep 1 Analyz	Type: To	Dil Fac	
Lab Sample ID: MB 860-15189 Matrix: Solid Analysis Batch: 151898 Analyte	98/2 MB Result	MB Qualifier	RL			-	<u>D</u>	F		Prep 1 Analyz	Type: To	Dil Fac	
Lab Sample ID: MB 860-15189 Matrix: Solid Analysis Batch: 151898 Analyte	98/2 MB Result	MB Qualifier	RL			-	<u>D</u>	F		Prep 1 Analyz	Type: To	Dil Fac	
Lab Sample ID: MB 860-15189 Matrix: Solid Analysis Batch: 151898 Analyte	98/2 MB Result	MB Qualifier	RL			-	<u>D</u>	F		Prep 1 Analyz	Type: To	Dil Fac	
Lab Sample ID: MB 860-15189 Matrix: Solid Analysis Batch: 151898 Analyte	98/2 MB Result	MB Qualifier	RL			-	<u>D</u>	F		Prep 1 Analyz	Type: To	Dil Fac	
Lab Sample ID: MB 860-15189 Matrix: Solid Analysis Batch: 151898 Analyte	98/2 MB Result	MB Qualifier	RL			-	<u>D</u>	F		Prep 1 Analyz	Type: To	Dil Fac	

Client: Crain Environmental Project/Site: Chem State #1

### **GC VOA**

### Prep Batch: 75818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40932-1	S-1 (1')	Total/NA	Solid	5035	
880-40932-2	S-1 (2')	Total/NA	Solid	5035	
880-40932-3	S-2 (1')	Total/NA	Solid	5035	
880-40932-4	S-2 (2')	Total/NA	Solid	5035	
880-40932-5	S-3 (1')	Total/NA	Solid	5035	
880-40932-6	S-3 (2')	Total/NA	Solid	5035	
880-40932-7	S-4 (1')	Total/NA	Solid	5035	
880-40932-8	S-4 (2')	Total/NA	Solid	5035	
880-40932-9	S-5 (1')	Total/NA	Solid	5035	
880-40932-10	S-5 (2')	Total/NA	Solid	5035	
880-40932-11	S-6 (1')	Total/NA	Solid	5035	
880-40932-12	S-6 (2')	Total/NA	Solid	5035	
880-40932-13	S-7 (1')	Total/NA	Solid	5035	
880-40932-14	S-7 (2')	Total/NA	Solid	5035	
MB 880-75818/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-75818/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-75818/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-40932-3 MS	S-2 (1')	Total/NA	Solid	5035	
880-40932-3 MSD	S-2 (1')	Total/NA	Solid	5035	

### Prep Batch: 75843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40932-2	S-1 (2')	Total/NA	Solid	5035	
880-40932-15	S-8 (1')	Total/NA	Solid	5035	
880-40932-16	S-8 (2')	Total/NA	Solid	5035	
880-40932-17	S-9 (1')	Total/NA	Solid	5035	
880-40932-18	S-9 (2')	Total/NA	Solid	5035	
880-40932-19	S-10 (1')	Total/NA	Solid	5035	
880-40932-20	S-10 (2')	Total/NA	Solid	5035	
MB 880-75843/5-B	Method Blank	Total/NA	Solid	5035	
LCS 880-75843/1-B	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-75843/2-B	Lab Control Sample Dup	Total/NA	Solid	5035	

### Analysis Batch: 75949

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-40932-1	S-1 (1')	Total/NA	Solid	8021B	75818
880-40932-2	S-1 (2')	Total/NA	Solid	8021B	75818
880-40932-3	S-2 (1')	Total/NA	Solid	8021B	75818
880-40932-4	S-2 (2')	Total/NA	Solid	8021B	75818
880-40932-5	S-3 (1')	Total/NA	Solid	8021B	75818
880-40932-6	S-3 (2')	Total/NA	Solid	8021B	75818
880-40932-7	S-4 (1')	Total/NA	Solid	8021B	75818
880-40932-8	S-4 (2')	Total/NA	Solid	8021B	75818
880-40932-9	S-5 (1')	Total/NA	Solid	8021B	75818
880-40932-10	S-5 (2')	Total/NA	Solid	8021B	75818
880-40932-11	S-6 (1')	Total/NA	Solid	8021B	75818
880-40932-12	S-6 (2')	Total/NA	Solid	8021B	75818
880-40932-13	S-7 (1')	Total/NA	Solid	8021B	75818
880-40932-14	S-7 (2')	Total/NA	Solid	8021B	75818
MB 880-75818/5-A	Method Blank	Total/NA	Solid	8021B	75818
LCS 880-75818/1-A	Lab Control Sample	Total/NA	Solid	8021B	75818

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### Job ID: 880-40932-1 SDG: Lea Co., NM

Client: Crain Environmental Project/Site: Chem State #1

### GC VOA (Continued)

### Analysis Batch: 75949 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
LCSD 880-75818/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	75818
880-40932-3 MS	S-2 (1')	Total/NA	Solid	8021B	75818
880-40932-3 MSD	S-2 (1')	Total/NA	Solid	8021B	75818

#### Analysis Batch: 76073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40932-2	S-1 (2')	Total/NA	Solid	8021B	75843
880-40932-15	S-8 (1')	Total/NA	Solid	8021B	75843
880-40932-16	S-8 (2')	Total/NA	Solid	8021B	75843
880-40932-17	S-9 (1')	Total/NA	Solid	8021B	75843
880-40932-18	S-9 (2')	Total/NA	Solid	8021B	75843
880-40932-19	S-10 (1')	Total/NA	Solid	8021B	75843
880-40932-20	S-10 (2')	Total/NA	Solid	8021B	75843
MB 880-75843/5-B	Method Blank	Total/NA	Solid	8021B	75843
LCS 880-75843/1-B	Lab Control Sample	Total/NA	Solid	8021B	75843
LCSD 880-75843/2-B	Lab Control Sample Dup	Total/NA	Solid	8021B	75843

#### Analysis Batch: 76081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40932-1	S-1 (1')	Total/NA	Solid	Total BTEX	
880-40932-2	S-1 (2')	Total/NA	Solid	Total BTEX	
880-40932-3	S-2 (1')	Total/NA	Solid	Total BTEX	
880-40932-4	S-2 (2')	Total/NA	Solid	Total BTEX	
880-40932-5	S-3 (1')	Total/NA	Solid	Total BTEX	
880-40932-6	S-3 (2')	Total/NA	Solid	Total BTEX	
880-40932-7	S-4 (1')	Total/NA	Solid	Total BTEX	
880-40932-8	S-4 (2')	Total/NA	Solid	Total BTEX	
880-40932-9	S-5 (1')	Total/NA	Solid	Total BTEX	
880-40932-10	S-5 (2')	Total/NA	Solid	Total BTEX	
880-40932-11	S-6 (1')	Total/NA	Solid	Total BTEX	
880-40932-12	S-6 (2')	Total/NA	Solid	Total BTEX	
880-40932-13	S-7 (1')	Total/NA	Solid	Total BTEX	
880-40932-14	S-7 (2')	Total/NA	Solid	Total BTEX	
880-40932-15	S-8 (1')	Total/NA	Solid	Total BTEX	
880-40932-16	S-8 (2')	Total/NA	Solid	Total BTEX	
880-40932-17	S-9 (1')	Total/NA	Solid	Total BTEX	
880-40932-18	S-9 (2')	Total/NA	Solid	Total BTEX	
880-40932-19	S-10 (1')	Total/NA	Solid	Total BTEX	
880-40932-20	S-10 (2')	Total/NA	Solid	Total BTEX	

### GC Semi VOA

### Prep Batch: 75854

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-40932-1	S-1 (1')	Total/NA	Solid	8015NM Prep	
880-40932-2	S-1 (2')	Total/NA	Solid	8015NM Prep	
880-40932-3	S-2 (1')	Total/NA	Solid	8015NM Prep	
880-40932-4	S-2 (2')	Total/NA	Solid	8015NM Prep	
880-40932-5	S-3 (1')	Total/NA	Solid	8015NM Prep	
880-40932-6	S-3 (2')	Total/NA	Solid	8015NM Prep	
880-40932-7	S-4 (1')	Total/NA	Solid	8015NM Prep	

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Job ID: 880-40932-1 SDG: Lea Co., NM

Client: Crain Environmental Project/Site: Chem State #1

### GC Semi VOA (Continued)

### Prep Batch: 75854 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40932-8	S-4 (2')	Total/NA	Solid	8015NM Prep	
880-40932-9	S-5 (1')	Total/NA	Solid	8015NM Prep	
880-40932-10	S-5 (2')	Total/NA	Solid	8015NM Prep	
880-40932-11	S-6 (1')	Total/NA	Solid	8015NM Prep	
880-40932-12	S-6 (2')	Total/NA	Solid	8015NM Prep	
880-40932-13	S-7 (1')	Total/NA	Solid	8015NM Prep	
880-40932-14	S-7 (2')	Total/NA	Solid	8015NM Prep	
880-40932-15	S-8 (1')	Total/NA	Solid	8015NM Prep	
880-40932-16	S-8 (2')	Total/NA	Solid	8015NM Prep	
880-40932-17	S-9 (1')	Total/NA	Solid	8015NM Prep	
880-40932-18	S-9 (2')	Total/NA	Solid	8015NM Prep	
MB 880-75854/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-75854/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-75854/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-40932-16 MS	S-8 (2')	Total/NA	Solid	8015NM Prep	
880-40932-16 MSD	S-8 (2')	Total/NA	Solid	8015NM Prep	
rep Batch: 75874					
I ah Samnle ID	Client Sample ID	Pren Tyne	Matrix	Method	Pren Batch

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
880-40932-19	S-10 (1')	Total/NA	Solid	8015NM Prep		
880-40932-20	S-10 (2')	Total/NA	Solid	8015NM Prep		
MB 880-75874/1-A	Method Blank	Total/NA	Solid	8015NM Prep		
LCS 880-75874/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep		
LCSD 880-75874/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep		

#### Analysis Batch: 76067

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-40932-1	S-1 (1')	Total/NA	Solid	8015B NM	75854
880-40932-2	S-1 (2')	Total/NA	Solid	8015B NM	75854
880-40932-3	S-2 (1')	Total/NA	Solid	8015B NM	75854
880-40932-4	S-2 (2')	Total/NA	Solid	8015B NM	75854
880-40932-5	S-3 (1')	Total/NA	Solid	8015B NM	75854
880-40932-6	S-3 (2')	Total/NA	Solid	8015B NM	75854
880-40932-7	S-4 (1')	Total/NA	Solid	8015B NM	75854
880-40932-8	S-4 (2')	Total/NA	Solid	8015B NM	75854
880-40932-9	S-5 (1')	Total/NA	Solid	8015B NM	75854
880-40932-10	S-5 (2')	Total/NA	Solid	8015B NM	75854
880-40932-11	S-6 (1')	Total/NA	Solid	8015B NM	75854
880-40932-12	S-6 (2')	Total/NA	Solid	8015B NM	75854
880-40932-13	S-7 (1')	Total/NA	Solid	8015B NM	75854
880-40932-14	S-7 (2')	Total/NA	Solid	8015B NM	75854
880-40932-15	S-8 (1')	Total/NA	Solid	8015B NM	75854
880-40932-16	S-8 (2')	Total/NA	Solid	8015B NM	75854
880-40932-17	S-9 (1')	Total/NA	Solid	8015B NM	75854
880-40932-18	S-9 (2')	Total/NA	Solid	8015B NM	75854
880-40932-19	S-10 (1')	Total/NA	Solid	8015B NM	75874
880-40932-20	S-10 (2')	Total/NA	Solid	8015B NM	75874
MB 880-75854/1-A	Method Blank	Total/NA	Solid	8015B NM	75854
MB 880-75874/1-A	Method Blank	Total/NA	Solid	8015B NM	75874
LCS 880-75854/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	75854
LCS 880-75874/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	75874

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### Job ID: 880-40932-1 SDG: Lea Co., NM

Client: Crain Environmental Project/Site: Chem State #1

### GC Semi VOA (Continued)

### Analysis Batch: 76067 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
LCSD 880-75854/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	75854
LCSD 880-75874/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	75874
880-40932-16 MS	S-8 (2')	Total/NA	Solid	8015B NM	75854
880-40932-16 MSD	S-8 (2')	Total/NA	Solid	8015B NM	75854

### Analysis Batch: 76217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40932-1	S-1 (1')	Total/NA	Solid	8015 NM	
880-40932-2	S-1 (2')	Total/NA	Solid	8015 NM	
880-40932-3	S-2 (1')	Total/NA	Solid	8015 NM	
880-40932-4	S-2 (2')	Total/NA	Solid	8015 NM	
880-40932-5	S-3 (1')	Total/NA	Solid	8015 NM	
880-40932-6	S-3 (2')	Total/NA	Solid	8015 NM	
880-40932-7	S-4 (1')	Total/NA	Solid	8015 NM	
380-40932-8	S-4 (2')	Total/NA	Solid	8015 NM	
380-40932-9	S-5 (1')	Total/NA	Solid	8015 NM	
380-40932-10	S-5 (2')	Total/NA	Solid	8015 NM	
380-40932-11	S-6 (1')	Total/NA	Solid	8015 NM	
380-40932-12	S-6 (2')	Total/NA	Solid	8015 NM	
380-40932-13	S-7 (1')	Total/NA	Solid	8015 NM	
380-40932-14	S-7 (2')	Total/NA	Solid	8015 NM	
380-40932-15	S-8 (1')	Total/NA	Solid	8015 NM	
380-40932-16	S-8 (2')	Total/NA	Solid	8015 NM	
380-40932-17	S-9 (1')	Total/NA	Solid	8015 NM	
380-40932-18	S-9 (2')	Total/NA	Solid	8015 NM	
880-40932-19	S-10 (1')	Total/NA	Solid	8015 NM	
880-40932-20	S-10 (2')	Total/NA	Solid	8015 NM	

### HPLC/IC

#### Leach Batch: 75886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40932-1	S-1 (1')	Soluble	Solid	DI Leach	
880-40932-2	S-1 (2')	Soluble	Solid	DI Leach	
880-40932-3	S-2 (1')	Soluble	Solid	DI Leach	
880-40932-4	S-2 (2')	Soluble	Solid	DI Leach	
880-40932-5	S-3 (1')	Soluble	Solid	DI Leach	
880-40932-6	S-3 (2')	Soluble	Solid	DI Leach	
880-40932-7	S-4 (1')	Soluble	Solid	DI Leach	
880-40932-8	S-4 (2')	Soluble	Solid	DI Leach	
880-40932-9	S-5 (1')	Soluble	Solid	DI Leach	
880-40932-10	S-5 (2')	Soluble	Solid	DI Leach	
880-40932-11	S-6 (1')	Soluble	Solid	DI Leach	
880-40932-12	S-6 (2')	Soluble	Solid	DI Leach	
880-40932-13	S-7 (1')	Soluble	Solid	DI Leach	
880-40932-14	S-7 (2')	Soluble	Solid	DI Leach	
880-40932-15	S-8 (1')	Soluble	Solid	DI Leach	
880-40932-16	S-8 (2')	Soluble	Solid	DI Leach	
MB 880-75886/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-75886/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-75886/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

#### Eurofins Midland

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### Job ID: 880-40932-1 SDG: Lea Co., NM

- - -

Client: Crain Environmental Project/Site: Chem State #1

### HPLC/IC (Continued)

### Leach Batch: 75886 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-40932-7 MS	S-4 (1')	Soluble	Solid	DI Leach	
880-40932-7 MSD	S-4 (1')	Soluble	Solid	DI Leach	

#### Leach Batch: 75904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40932-17	S-9 (1')	Soluble	Solid	DI Leach	
880-40932-18	S-9 (2')	Soluble	Solid	DI Leach	
880-40932-19	S-10 (1')	Soluble	Solid	DI Leach	
880-40932-20	S-10 (2')	Soluble	Solid	DI Leach	
880-40932-21	T-1 (1')	Soluble	Solid	DI Leach	
MB 880-75904/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-75904/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-75904/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-40932-17 MS	S-9 (1')	Soluble	Solid	DI Leach	
880-40932-17 MSD	S-9 (1')	Soluble	Solid	DI Leach	

#### Analysis Batch: 75993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40932-1	S-1 (1')	Soluble	Solid	300.0	75886
880-40932-2	S-1 (2')	Soluble	Solid	300.0	75886
880-40932-3	S-2 (1')	Soluble	Solid	300.0	75886
880-40932-4	S-2 (2')	Soluble	Solid	300.0	75886
880-40932-5	S-3 (1')	Soluble	Solid	300.0	75886
880-40932-6	S-3 (2')	Soluble	Solid	300.0	75886
880-40932-7	S-4 (1')	Soluble	Solid	300.0	75886
880-40932-8	S-4 (2')	Soluble	Solid	300.0	75886
880-40932-9	S-5 (1')	Soluble	Solid	300.0	75886
880-40932-10	S-5 (2')	Soluble	Solid	300.0	75886
880-40932-11	S-6 (1')	Soluble	Solid	300.0	75886
880-40932-12	S-6 (2')	Soluble	Solid	300.0	75886
880-40932-13	S-7 (1')	Soluble	Solid	300.0	75886
880-40932-14	S-7 (2')	Soluble	Solid	300.0	75886
880-40932-15	S-8 (1')	Soluble	Solid	300.0	75886
880-40932-16	S-8 (2')	Soluble	Solid	300.0	75886
MB 880-75886/1-A	Method Blank	Soluble	Solid	300.0	75886
LCS 880-75886/2-A	Lab Control Sample	Soluble	Solid	300.0	75886
LCSD 880-75886/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	75886
880-40932-7 MS	S-4 (1')	Soluble	Solid	300.0	75886
880-40932-7 MSD	S-4 (1')	Soluble	Solid	300.0	75886

#### Analysis Batch: 75996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40932-17	S-9 (1')	Soluble	Solid	300.0	75904
880-40932-18	S-9 (2')	Soluble	Solid	300.0	75904
880-40932-19	S-10 (1')	Soluble	Solid	300.0	75904
880-40932-20	S-10 (2')	Soluble	Solid	300.0	75904
880-40932-21	T-1 (1')	Soluble	Solid	300.0	75904
MB 880-75904/1-A	Method Blank	Soluble	Solid	300.0	75904
LCS 880-75904/2-A	Lab Control Sample	Soluble	Solid	300.0	75904
LCSD 880-75904/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	75904
880-40932-17 MS	S-9 (1')	Soluble	Solid	300.0	75904

Eurofins Midland

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Job ID: 880-40932-1 SDG: Lea Co., NM

### **QC** Association Summary

Client: Crain Environmental
Project/Site: Chem State #1

Job ID: 880-40932-1 SDG: Lea Co., NM

### HPLC/IC (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40932-17 MSD	S-9 (1')	Soluble	Solid	300.0	75904
letals					
rep Batch: 151356					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-40932-21	T-1 (1')	Total/NA	Solid	29B	
rep Batch: 151856					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40932-21	T-1 (1')	Total/NA	Solid	29B	151356
Analysis Batch: 15205	8				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40932-21	T-1 (1')	Total/NA	Solid	29B SAR	151856
General Chemistry	1				
each Batch: 151109					
- Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40932-21	T-1 (1')	Soluble	Solid	DI Leach	
nalysis Batch: 15115	0				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40932-21	T-1 (1')	Soluble	Solid	9045D	151109
each Batch: 151802					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-40932-21	T-1 (1')	Soluble	Solid	DI Leach	
nalysis Batch: 15189	8				
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-40932-21	T-1 (1')	Soluble	Solid	SM 2510B	151802
MD 000 454000/0	Method Blank	Total/NA	Solid	SM 2510B	
MB 860-151898/2					
MB 860-151898/2 LCS 860-151898/3	Lab Control Sample	Total/NA	Solid	SM 2510B	

Initial

Amount

5.02 g

5 mL

10.08 g

1 uL

4.99 g

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

Batch

75818

75949

76081

76217

75854

76067

75886

75993

Number

Dil

50

1

1

5

10

Factor

Run

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

### Client Sample ID: S-1 (1') Date Collected: 03/12/24 14:10 Date Received: 03/15/24 14:51

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Job ID: 880-40932-1 SDG: Lea Co., NM

# Lab Sample ID: 880-40932-1

Analyst

MNR

MNR

SM

SM

FL

SM

SA

SI

Prepared

or Analyzed

03/18/24 10:27

03/19/24 14:01

03/19/24 14:01

03/21/24 00:11

03/18/24 12:54

03/21/24 00:11

03/18/24 13:20

03/19/24 18:04

Matrix: Solid

#### Lab Sample ID: 880-40932-2 Matrix: Solid

Lab Sample ID: 880-40932-3

Matrix: Solid

#### Client Sample ID: S-1 (2') Date Collected: 03/12/24 14:15 Date Received: 03/15/24 14:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	75843	03/19/24 16:35	MNR	EET MID
Total/NA	Analysis	8021B		250	5 mL	5 mL	76073	03/20/24 16:29	MNR	EET MID
Total/NA	Prep	5035			5.03 g	5 mL	75818	03/18/24 10:27	MNR	EET MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	75949	03/19/24 14:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/20/24 16:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			76217	03/21/24 00:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	75854	03/18/24 12:54	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	76067	03/21/24 00:32	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	75886	03/18/24 13:20	SA	EET MID
Soluble	Analysis	300.0		10			75993	03/19/24 18:21	SI	EET MID

### Client Sample ID: S-2 (1') Date Collected: 03/12/24 14:25 Date Received: 03/15/24 14:51

	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	75818	03/18/24 10:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75949	03/19/24 11:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/19/24 11:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			76217	03/21/24 01:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	75854	03/18/24 12:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76067	03/21/24 01:15	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	75886	03/18/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1			75993	03/19/24 18:26	SI	EET MID

**Eurofins Midland** 

Lab

EET MID

Initial

Amount

4.97 g

5 mL

10.06 g

1 uL

4.98 g

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

Batch

75818

75949

76081

76217

75854

76067

75886

75993

Number

Dil

1

1

1

1

1

Factor

Run

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

#### Client Sample ID: S-2 (2') Date Collected: 03/12/24 14:27 Date Received: 03/15/24 14:51

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Job ID: 880-40932-1 SDG: Lea Co., NM

Lab

EET MID

Matrix: Solid

### Lab Sample ID: 880-40932-4 Matrix: Solid

Analyst

MNR

MNR

SM

SM

EL

SM

SA

SI

Prepared

or Analyzed

03/18/24 10:27

03/19/24 11:37

03/19/24 11:37

03/21/24 00:54

03/18/24 12:54

03/21/24 00:54

03/18/24 13:20

03/19/24 18:32

5 9

#### Lab Sample ID: 880-40932-5 Matrix: Solid

Lab Sample ID: 880-40932-6

Lab Sample ID: 880-40932-7

Date Collected: 03/12/24 12:35 Date Received: 03/15/24 14:51

Client Sample ID: S-3 (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			5.04 g	5 mL	75818	03/18/24 10:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75949	03/19/24 11:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/19/24 11:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			76217	03/21/24 01:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	75854	03/18/24 12:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76067	03/21/24 01:36	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	75886	03/18/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1			75993	03/19/24 18:37	SI	EET MID

#### Client Sample ID: S-3 (2') Date Collected: 03/12/24 12:38 Date Received: 03/15/24 14:51

	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	75818	03/18/24 10:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75949	03/19/24 12:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/19/24 12:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			76217	03/21/24 02:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	75854	03/18/24 12:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76067	03/21/24 02:18	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	75886	03/18/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1			75993	03/19/24 18:43	SI	EET MID

#### Client Sample ID: S-4 (1') Date Collected: 03/12/24 14:42 Date Received: 03/15/24 14:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	75818	03/18/24 10:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75949	03/19/24 12:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/19/24 12:39	SM	EET MID

**Eurofins Midland** 

Matrix: Solid

### Released to Imaging: 4/25/2025 3:04:33 PM

Client: Crain Environmental Project/Site: Chem State #1

#### Client Sample ID: S-4 (1') Date Collected: 03/12/24 14:42 Date Received: 03/15/24 14:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			76217	03/21/24 02:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	75854	03/18/24 12:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76067	03/21/24 02:39	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	75886	03/18/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1			75993	03/19/24 18:48	SI	EET MID

#### Client Sample ID: S-4 (2') Date Collected: 03/12/24 14:45 Date Received: 03/15/24 14:51

	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	75818	03/18/24 10:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75949	03/19/24 12:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/19/24 12:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			76217	03/21/24 01:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	75854	03/18/24 12:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76067	03/21/24 01:57	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	75886	03/18/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1			75993	03/19/24 19:05	SI	EET MID

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

Date Collected: 03/12/24 14:55 Date Received: 03/15/24 14:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	75818	03/18/24 10:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75949	03/19/24 13:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/19/24 13:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			76217	03/20/24 20:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75854	03/18/24 12:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76067	03/20/24 20:41	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	75886	03/18/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1			75993	03/19/24 19:10	SI	EET MID

#### Client Sample ID: S-5 (2') Date Collected: 03/12/24 14:57 Date Received: 03/15/24 14:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	75818	03/18/24 10:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75949	03/19/24 13:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/19/24 13:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			76217	03/20/24 21:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75854	03/18/24 12:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76067	03/20/24 21:03	SM	EET MID

Eurofins Midland

Matrix: Solid

Job ID: 880-40932-1 SDG: Lea Co., NM

### Lab Sample ID: 880-40932-7 Matrix: Solid

Lab Sample ID: 880-40932-8

> 11 12 13

## Lab Sample ID: 880-40932-9

Lab Sample ID: 880-40932-10

Matrix: Solid

Matrix: Solid

5

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### Lab Chronicle

Client: Crain Environmental Project/Site: Chem State #1

#### Client Sample ID: S-5 (2') Date Collected: 03/12/24 14:57 Date Received: 03/15/24 14:51

	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 g	50 mL	75886	03/18/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1			75993	03/19/24 19:27	SI	EET MID

### **Client Sar Date Collec** Date Receiv

	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	75818	03/18/24 10:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75949	03/19/24 15:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/19/24 15:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			76217	03/20/24 21:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	75854	03/18/24 12:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76067	03/20/24 21:24	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	75886	03/18/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1			75993	03/19/24 19:32	SI	EET MID

#### Client Sample ID: S-6 (2') Date Collected: 03/12/24 15:06 Date Received: 03/15/24 14:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	75818	03/18/24 10:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75949	03/19/24 16:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/19/24 16:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			76217	03/20/24 21:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75854	03/18/24 12:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76067	03/20/24 21:45	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	75886	03/18/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1			75993	03/19/24 19:38	SI	EET MID

### Client Sample ID: S-7 (1') Date Collected: 03/12/24 15:12 Date Received: 03/15/24 14:51

#### Lab Sample ID: 880-40932-13 Matrix: Solid

Lab Sample ID: 880-40932-12

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			5.01 g	5 mL	75818	03/18/24 10:27	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75949	03/19/24 16:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/19/24 16:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			76217	03/21/24 03:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	75854	03/18/24 12:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76067	03/21/24 03:00	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	75886	03/18/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1			75993	03/19/24 19:44	SI	EET MID

**Eurofins Midland** 

### Job ID: 880-40932-1 SDG: Lea Co., NM

### Lab Sample ID: 880-40932-10 Matrix: Solid

ample	D: S-6 (1	')						Lab Sampl	e ID: 88	0-40932-11
	03/12/24 15:0 )3/15/24 14:5	_								Matrix: Solid
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
	Prep	5035			5.03 g	5 mL	75818	03/18/24 10:27	MNR	EET MID
	Analysis	8021B		1	5 mL	5 mL	75949	03/19/24 15:44	MNR	EET MID
	Analysis	Total BTEX		1			76081	03/19/24 15:44	SM	EET MID
	Analysis	8015 NM		1			76217	03/20/24 21:24	SM	EET MID
	Prep	8015NM Prep			10.01 g	10 mL	75854	03/18/24 12:54	EL	EET MID
	Analysis	8015B NM		1	1 uL	1 uL	76067	03/20/24 21:24	SM	EET MID
	Leach	DI Leach			5 g	50 mL	75886	03/18/24 13:20	SA	EET MID
	Analysis	300.0		1			75993	03/19/24 19:32	SI	EET MID

Initial

Amount

4.98 g

5 mL

10.04 g

1 uL

5.02 g

Final

Amount

5 mL

5 mL

10 mL

1 uL

50 mL

Batch

75818

75949

76081

76217

75854

76067

75886

75993

Number

Dil

1

1

1

1

1

Factor

Run

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

#### Client Sample ID: S-7 (2') Date Collected: 03/12/24 15:15 Date Received: 03/15/24 14:51

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Job ID: 880-40932-1 SDG: Lea Co., NM

## Lab Sample ID: 880-40932-14

Analyst

MNR

MNR

SM

SM

FI

Prepared

or Analyzed

03/18/24 10:27

03/19/24 16:45

03/19/24 16:45

03/20/24 22:26

Matrix: Solid

Lab

EET MID

EET MID

EET MID

EET MID

EET MID

# Lab Sample ID: 880-40932-15

Matrix: Solid

### Date Collected: 03/12/24 15:19 Date Received: 03/15/24 14:51

Client Sample ID: S-8 (1')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	75843	03/19/24 16:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	76073	03/20/24 19:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/20/24 19:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			76217	03/20/24 22:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	75854	03/18/24 12:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76067	03/20/24 22:05	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	75886	03/18/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1			75993	03/19/24 19:55	SI	EET MID

#### Client Sample ID: S-8 (2') Date Collected: 03/12/24 15:22 Date Received: 03/15/24 14:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	75843	03/19/24 16:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	76073	03/20/24 19:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/20/24 19:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			76217	03/20/24 19:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	75854	03/18/24 12:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76067	03/20/24 19:38	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	75886	03/18/24 13:20	SA	EET MID
Soluble	Analysis	300.0		1			75993	03/19/24 20:00	SI	EET MID

#### Client Sample ID: S-9 (1') Date Collected: 03/12/24 15:27 Date Received: 03/15/24 14:51

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	75843	03/19/24 16:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	76073	03/20/24 19:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/20/24 19:42	SM	EET MID

**Eurofins Midland** 

Matrix: Solid

03/18/24 12:54 03/20/24 22:26 SM EET MID 03/18/24 13:20 SA EET MID 03/19/24 19:49 SI EET MID

### Lab Sample ID: 880-40932-16

Lab Sample ID: 880-40932-17

Matrix: Solid

Released to Imaging: 4/25/2025 3:04:33 PM

Project/Site: Chem State #1

#### Client Sample ID: S-9 (1') Date Collected: 03/12/24 15:27 Date Received: 03/15/24 14:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			76217	03/20/24 22:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	75854	03/18/24 12:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76067	03/20/24 22:47	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	75904	03/18/24 14:41	SA	EET MID
Soluble	Analysis	300.0		1			75996	03/19/24 15:06	SI	EET MID

#### Client Sample ID: S-9 (2') Date Collected: 03/12/24 15:30 Date Received: 03/15/24 14:51

	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	75843	03/19/24 16:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	76073	03/20/24 20:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/20/24 20:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			76217	03/21/24 03:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75854	03/18/24 12:54	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76067	03/21/24 03:21	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	75904	03/18/24 14:41	SA	EET MID
Soluble	Analysis	300.0		1			75996	03/19/24 15:28	SI	EET MID

#### Client Sample ID: S-10 (1') Date Collected: 03/12/24 15:34

Date Received: 03/15/24 14:51

	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	75843	03/19/24 16:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	76073	03/20/24 20:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/20/24 20:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			76217	03/20/24 11:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	75874	03/18/24 13:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76067	03/20/24 11:49	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	75904	03/18/24 14:41	SA	EET MID
Soluble	Analysis	300.0		1			75996	03/19/24 15:35	SI	EET MID

#### Client Sample ID: S-10 (2') Date Collected: 03/12/24 15:38 Date Received: 03/15/24 14:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	75843	03/19/24 16:35	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	76073	03/20/24 20:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			76081	03/20/24 20:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			76217	03/20/24 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	75874	03/18/24 13:00	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	76067	03/20/24 12:10	SM	EET MID

Eurofins Midland

Matrix: Solid

Job ID: 880-40932-1 SDG: Lea Co., NM

# Lab Sample ID: 880-40932-17

Lab Sample ID: 880-40932-18

Matrix: Solid

Matrix: Solid

### Lab Sample ID: 880-40932-19

Lab Sample ID: 880-40932-20

Matrix: Solid

Job ID: 880-40932-1

SDG: Lea Co., NM

Matrix: Solid

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### Lab Chronicle

Client: Crain Environmental Project/Site: Chem State #1

### Client Sample ID: S-10 (2') Date Collected: 03/12/24 15:38 Date Received: 03/15/24 14:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	75904	03/18/24 14:41	SA	EET MID
Soluble	Analysis	300.0		1			75996	03/19/24 15:43	SI	EET MID

### Client Sample ID: T-1 (1') Date Collected: 03/12/24 14:08 Date Received: 03/15/24 14:51

### Lab Sample ID: 880-40932-21 Matrix: Solid

Lab Sample ID: 880-40932-20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	75904	03/18/24 14:41	SA	EET MID
Soluble	Analysis	300.0		1			75996	03/19/24 15:50	SI	EET MID
Total/NA	Prep	29B			45 g	40 g	151356	03/24/24 19:38	AGR	EET HOU
Total/NA	Prep	29B			30.54 g	30 mL	151856	03/27/24 10:35	AGR	EET HOU
Total/NA	Analysis	29B SAR		1			152058	03/28/24 09:16	JDM	EET HOU
Soluble	Leach	DI Leach			20 g	20 mL	151109	03/22/24 10:06	BW	EET HOU
Soluble	Analysis	9045D		1	20 g	20 mL	151150	03/22/24 13:10	BW	EET HOU
Soluble	Leach	DI Leach			30 g	30 mL	151802	03/27/24 08:23	BW	EET HOU
Soluble	Analysis	SM 2510B		1			151898	03/27/24 14:02	BW	EET HOU

#### Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

**Eurofins Midland** 

Released to Imaging: 4/25/2025 3:04:33 PM

Client: Crain Environmental Project/Site: Chem State #1 Page 69 of 249

### Job ID: 880-40932-1 SDG: Lea Co., NM

#### Laboratory: Eurofins Midland

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

Authority	Progra	m	Identification Number	Expiration Date	
Texas	NELAF	)	T104704400-23-26	06-30-24	
for which the agency of	loes not offer certification.		ied by the governing authority. This lis		
• ,		Matrix Solid	Analyte Total TPH		

### Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date	
Arkansas DEQ	State	88-00759	08-03-24	10
Florida	NELAP	E871002	06-30-24	
Louisiana (All)	NELAP	03054	06-30-24	
Oklahoma	NELAP	1306	08-31-24	
Oklahoma	State	2023-139	08-31-24	
Texas	NELAP	T104704215	06-30-24	
Texas	TCEQ Water Supply	T104704215	12-28-25	19
USDA	US Federal Programs	525-23-79-79507	03-20-26	

Eurofins Midland

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### **Method Summary**

Client: Crain Environmental Project/Site: Chem State #1 Job ID: 880-40932-1 SDG: Lea Co., NM

lethod	Method Description	Protocol	Laboratory
021B	Volatile Organic Compounds (GC)	SW846	EET MID
otal BTEX	Total BTEX Calculation	TAL SOP	EET MID
015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
00.0	Anions, Ion Chromatography	EPA	EET MID
9B SAR	Sodium Adsorption Ratio	LA	EET HOU
045D	рН	SW846	EET HOU
M 2510B	Conductivity, Specific Conductance	SM	EET HOU
9B	Preparation, Dry, Grind and Sieve	LA	EET HOU
9B	Preparation, Sodium Absorption Ratio	LA	EET HOU
035	Closed System Purge and Trap	SW846	EET MID
015NM Prep	Microextraction	SW846	EET MID
I Leach	Deionized Water Leaching Procedure	ASTM	EET HOU
I Leach	Deionized Water Leaching Procedure	ASTM	EET MID

ASTM = ASTM International

EPA = US Environmental Protection Agency

LA = Statewide Order No. 29-B, State Of Louisianna

SM = "Standard Methods For The Examination Of Water And Wastewater"

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 HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200 EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

**Eurofins Midland** 

### Sample Summary

Client: Crain Environmental Project/Site: Chem State #1

Job ID: 880-40932-1
SDG: Lea Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-40932-1	S-1 (1')	Solid	03/12/24 14:10	03/15/24 14:51	1'
880-40932-2	S-1 (2')	Solid	03/12/24 14:15	03/15/24 14:51	2'
880-40932-3	S-2 (1')	Solid	03/12/24 14:25	03/15/24 14:51	1'
880-40932-4	S-2 (2')	Solid	03/12/24 14:27	03/15/24 14:51	2'
880-40932-5	S-3 (1')	Solid	03/12/24 12:35	03/15/24 14:51	1'
880-40932-6	S-3 (2')	Solid	03/12/24 12:38	03/15/24 14:51	2'
880-40932-7	S-4 (1')	Solid	03/12/24 14:42	03/15/24 14:51	1'
880-40932-8	S-4 (2')	Solid	03/12/24 14:45	03/15/24 14:51	2'
880-40932-9	S-5 (1')	Solid	03/12/24 14:55	03/15/24 14:51	1'
880-40932-10	S-5 (2')	Solid	03/12/24 14:57	03/15/24 14:51	2'
880-40932-11	S-6 (1')	Solid	03/12/24 15:02	03/15/24 14:51	1'
880-40932-12	S-6 (2')	Solid	03/12/24 15:06	03/15/24 14:51	2'
880-40932-13	S-7 (1')	Solid	03/12/24 15:12	03/15/24 14:51	1'
880-40932-14	S-7 (2')	Solid	03/12/24 15:15	03/15/24 14:51	2'
880-40932-15	S-8 (1')	Solid	03/12/24 15:19	03/15/24 14:51	1'
880-40932-16	S-8 (2')	Solid	03/12/24 15:22	03/15/24 14:51	2'
880-40932-17	S-9 (1')	Solid	03/12/24 15:27	03/15/24 14:51	1'
880-40932-18	S-9 (2')	Solid	03/12/24 15:30	03/15/24 14:51	2'
880-40932-19	S-10 (1')	Solid	03/12/24 15:34	03/15/24 14:51	1'
880-40932-20	S-10 (2')	Solid	03/12/24 15:38	03/15/24 14:51	2'
880-40932-21	T-1 (1')	Solid	03/12/24 14:08	03/15/24 14:51	1'

	ments	Brownfields RRC Superfund		PST/UST TRRP Level IV	Other-	Preservative Codes	None NO DI Water: H,O			H <sub>2</sub> S0 4 H 2 NaOH Na	H <sub>3</sub> PO <sub>4</sub> HP	CIDEN 4 DOTIN	7n Acetate+NaOH 7n	NaOH+Ascorbic Acid SAPC	Sample Comments										Sn    V Zn	7470 / 7471		Date/Time			Reviewed Date: 08/75/2000 Basiced	הבעומפט טמונג: טמן לא בא בעבע הגאי בעבעיב
880-40932 Chain of Custody	Work Order Comments	Program: UST/PST PRP	roject: NM	evel III	Deliverables EDD ADaPT					<u></u>	<u></u>														Mo Ni K Se Ac SiO, Na Sr TI Sn 11 V Zn	Hg Hg	anditions control isly negotiated.	Received by (Signature)				
<b>Chain of Custody</b> Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392 7550 Carlsbad, NM (575) 988-3199	Chris Canddu	Cherav	Mall Ste. 300	0		ANALYSIS REQUEST							λ	E											exas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag	client company to Eurofins Xenco. Its affiliates and subcontractors. It assigns standard terms and conditions <i>I</i> for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control h sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotated.	Date/Time Relinquished by: (Signature)	2 he	4	9	
	Bill to: (if different)	Company Name	Address:	City, State ZIP-	Cindy. Crain (	Turn Around	Rush Pres.		TAT starts the day received by the lab, if received by 4:30pm	T	M C M		<i>78</i> 9 8	6	Depth Grab/ # of H				21	- 1	3	- '		2. 4 4 4		TCLP/SPLP6010 8RCRA Sb As	rider from client company to Eurofins Xenc ponsibility for any losses or expenses incurn 55 for each sample submitted to Eurofins X	9	W 315	-		
environment Testing Xenco	dy Crain	in Énuranmental	$\sim$	Ddessa, TX 79761	5) 441. 7244 Email	State # 1	Routine	Co NM Due Date:	()	Temn Blank Voc Kin Watter	Thermometer	F	Yes No N/A Temperature Reading.	Corrected Temperature:	Matrix Date Time Samoled Samoled		1	1425	1427	1235	12.38	6442	5661	1457	200.8 / 6020: 8RCRA 13PPM	stal(s) to be analyzed TCLP / :	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its 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 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.	ture) Received by: (Signature)				
	Project Manager Cinely	Company Name Crain	Address: 2925	City, State ZIP. Od 6	Phone (575)	Project Name:	Project Number	Project Location	Sampler's Name:	SAMPI F RECEIPT	Samples Received Intact:	Cooler Custody Seals:	Seals:	Total Containers.	Sample Identification	5-1 (1.)	5-1 (2')	-2()	5-2 (21)	- 3 ().	5 - 5 (2)	4	5.4 (2)	2	Total 200.7 / 6010	Circle Method(s) and Metal(s) to be analyzed	Notice: Signature of this document and of service. Eurofins Xenco will be llable of Eurofins Xenco. A minimum charge c	Relinguished by Sgnature)	1 Lerdy Lain	3	C	

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1220	Page & of O	iments	Brownfields RRC Superfund		PST/UST 🗌 TRRP 🔲 Level IV 🗍	Other-	Precentative Codes	None NO DI Water H <sub>2</sub> O			H <sub>2</sub> S0 4 H <sub>2</sub> NaOH Na	H <sub>3</sub> PO 4. HP	NaHSO 4 NABIS	Na 2S 2O3 NaSO 3	Zn Acetate+NaOH Zn	NaOH+Ascorbic Acid SAPC	Sample Comments											Sn U V Zn	/7470 /7471			Date/Ilme			Revised Date: 08/25/2020 Rev 2020.2	
Work Order No:	www.xenco.com	ork Orde	PRP	2	Level III	Deliverables EDD ADaPT				) <u> </u>	<u>_</u>				2													Sel	Hg 1631/2451	conditions he control fourist constituted	ingouateu.	received by: (Signature)				
<b>Chain of Custody</b> Houston, TX (281) 240-4200, Dallas TX (214) 902-0300 Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	K	Chris (Tagdy	Creak	Wall, Jte. 300	Midlard, TX 79701 Re	gnail con	ANALYSIS REQUEST								7	B	14D 14D 14D											Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions Afor any losses or expenses incurred by the client if such losses are due to circumstances beyond the control 1 sample subhitted to Eurofins Xenco. but nor analyzed . These terms will be acforced index reviously acconstand	Data/Time Dalinentichad hu (Gianatura)					
Cha Houston, TX (28 Midland, TX (432) 7 EL Paso, TX (915) Hobbs, NM (575)	ter and the second s	bill to: (if different)	Company Name	Address:	City, State ZIP-	CINDY. Crain@	Turn Around	Rush Pres.		day received by	-	Yes No	ueze	a			Depth Grab/ # of Comp Cont		1 1 16	8			2.	-	21	1	21 1 1	Texas 11	PLP 6010 BRCRA Sb		RF					
🖏 eurofins Environment Testing Xenco	1	high can	Name (JUI) (NVrONME) AL	atas (., 1/1° A.	X 79761	Phone: (575) 441 - 7244 Email	Project Name: Ohen State # 1 Turn A	Project Number	Project Location: Lea Co. , MM Due Date	Sampler's Name: (1/2011) (2ain TAT starts the day received by		Temp Blank:	Ict: Yes No	Yes No N/A	seals: Yes No N/A	i old containers:   Corrected Temperature:	Sample Identification Matrix Date Time Sampled	5.6(1) 5 3/12/24 1502	1		5-7 (2') 1515	6151 (.1) 8.5	5-8 (2')     1522	5-9 (1) []527	5-9 (2) 1530	5-10 (1) 1534	5-10 (21) 14 4 1538	8RCR	curcie Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$55 for each	Relinavished by /Signature) Received by (Signature)		Mark Mark	5		

**Martin** 

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$\mathcal{C}$		lds□ RRC□ Superfund□		PST/UST TRRP Level IV	Other	Dracentative Cordec	None NO DI Water: H-O			H <sub>2</sub> S0 4 H <sub>2</sub> NaOH Na	H <sub>3</sub> PO <sub>4</sub> HP	NaHSO 4 NABIS	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NasO <sub>3</sub>	Zh Acetate+NaOH Zh NaOH+Ascrothir Arid SADC		Sample Comments	a status and a status of the				Sn U V Zn	~	Date/Time			Revised Date: 08/25/2020 Rev. 2020.2
	Work Order Comments	Program: UST/PST PRP Brownfields	oject: NM		Deliverables EDD ADaPT				HCL	H <sub>2</sub> S		Зан	Na 2								Se Ag SiO <sub>2</sub> Na Sr Ti Ha 1631/245.177	1101 (11) (11) (11) (11) (11) (11) (11)	Received by (Signature)			
<b>Chain of Custody</b> Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334 EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550 Carlsbad, NM (575) 988-3199	Phris Croately	Creav	Wall, Ste. 300	19701	@ gmail. can	ANALYSIS REOUEST							P	d	H0 19 74 7.	E S E					Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K CRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Sa An Tl I	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 \$5500 will be applied to each project and a cubrit of the submitted to Eurofins Xenco. An intervention of service. A minimum charge of \$5500 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.	Date/Time Relinquished by (Signature)	15 Javy 2 11 15 1 4		
Ch Houston, TX (2 Midland, TX (432) EL Paso TX (91: Hobbs, NM (57)	Bill to: (if different)	Company Name	Address.	City, State ZIP-	Cinety. Crain	Turn Around	Rush Pres.		TAT starts the day received by the lab. if received by 4:30pm	T		Par Par			Grab/	Depth Comp #01	J - C				A 13PPM Texas 11 Al Sb TCLP/SPLP6010 8RCRA Sb	order from client company to Eurofi sponsibility for any losses or expense \$5 for each sample submitted to Eur	0	11-3		
Environment Testing Xenco		ny conmental	Y~ S.	10266	1244 Email	#/ Tu	Routine	Due Date:	TAT starts 1 the lab. if r	Yas No Wat Ira-	ater	Correction Factor	Temperature Reading:	Corrected Temperature	متحفقت الم	Sampled Si	3/12/24 1408				8RCRA TC	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from clier of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for a of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sam	Received by (Signature)	$\mathbf{r}$		
	Lindy Con	$\langle n \rangle$	2925 E. 17	Dolessa, TX	(575) 441-7	Chen State	)	Lea Co. NM	Linely Crain	Temn Blank	$\left  - \right $	Υ <sub>e</sub>	Yes No N/A			ation Matrix	5				200.8 / 6020: 1d Metal(s) to be an	rent and relinquishment of san the liable only for the cost of sa charge of \$85.00 will be applie	S)gnature)	ian?		
🐝 eurofins	Project Manager	Company Name:	Address:	City, State ZIP.	Phone.	Project Name	Project Number	Project Location. 2	Sampler's Name: 2	SAMPLE RECEIPT	Samples Received Intact:	Cooler Custody Seals.	Sample Custody Seals:	Total Containers.		Sample Identification	T-1 (1·)				Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	Notice: Signature of this docur of service: Eurofins Xenco will t of Eurofins Xenco. A minimum.	Relinguished by Signature)	1 (ing)	5	

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Custody Seals Intact: Custody Seal No.	Relinquished by Date	Relinquished by Date		linquished by	Deliverable Requested: I, II III IV Other (specify) Prin	Possible Hazard Identification Unconfirmed	Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes i accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.								T-1 (1') (880-40932-21)		Sample Identification Client ID (Lab ID) Sa	Site:	Project Name: Chem State #1	Email WO #	Phone: PO # 281-240-4200(Tei)	State, Zip: TX, 77477		Address: Due 3/2"	Company: Eurofins Environment Testing South Centr	Client Contact Phone: Shipping/Receiving	ormation (Sub Contract Lab)	Midland TX 79701 Phone: 432-704-5440
	Date/Time:	Date/Time:	Date/Time:	:	Primary Deliverable Rank. 2		ting South Centr or analysis/tests LLC attention im								3/12/24	X	Sample Date	W#:	Project #: 88001917	#	*		TAT Requested (days):	Due Date Requested: 3/21/2024		le.	pier	
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Coole	Recei	Recei	Recei		Special Instructions/QC	Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Moni	accredi ed back int to da								×		2510B/DI_Leac		21,0000000	S.742 P.			5. YAN 10		Accreditations Required (See note): NELAP Texas	amer@	Jessica	ā
Cooler Temperature(s)	Received by:	Received by	Received by		nstruc	le Disposal ( A f Return To Client	tation c to the l te, retu		-		_				×	G.	9045D/DI_LEAG								Requin	0et.eu		
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3/28/2024

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13

Job Number: 880-40932-1 SDG Number: Lea Co., NM

List Source: Eurofins Midland

# Login Sample Receipt Checklist

Client: Crain Environmental

# Login Number: 40932 List Number: 1 Creator: Rodriguez, Leticia

cioatori ricaliguoz, zoticia		
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	

N/A

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

14

14

Job Number: 880-40932-1 SDG Number: Lea Co., NM

List Source: Eurofins Houston

List Creation: 03/16/24 11:42 AM

# Login Sample Receipt Checklist

Client: Crain Environmental

# Login Number: 40932 List Number: 2 Creator: Baker, Jeremiah

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

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Received by OCD: 3/26/2025 8:20:29 PM



**Environment Testing** 

# **ANALYTICAL REPORT**

# **PREPARED FOR**

Attn: Cindy Crain Crain Environmental 2925 E. 17th St. Odessa, Texas 79761 Generated 10/3/2024 3:30:44 PM

JOB DESCRIPTION

Chem State #1 Well Lea Co., NM

# **JOB NUMBER**

880-49108-1

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

AMER

Generated 10/3/2024 3:30:44 PM

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Laboratory Job ID: 880-49108-1 SDG: Lea Co., NM

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CFU

CNF

ceived by OCI	D: 3/26/2025 8:20:29 PM	Page 81 of 2	249
	Definitions/Glossary		
Client: Crain E	invironmental	Job ID: 880-49108-1	
Project/Site: C	hem State #1 Well	SDG: Lea Co., NM	
Qualifiers			3
GC VOA			
Qualifier	Qualifier Description		
F1	MS and/or MSD recovery exceeds control limits.		
S1+	Surrogate recovery exceeds control limits, high biased.		5
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VOA	ь.		
Qualifier	Qualifier Description		
*+	LCS and/or LCSD is outside acceptance limits, high biased.		
S1+	Surrogate recovery exceeds control limits, high biased.		
U	Indicates the analyte was analyzed for but not detected.		8
HPLC/IC			
Qualifier	Qualifier Description		9
F1	MS and/or MSD recovery exceeds control limits.		
U	Indicates the analyte was analyzed for but not detected.		
Glossary			
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis		
%R	Percent Recovery		
CFL	Contains Free Liquid		

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)
DI .	

- Reporting Limit or Requested Limit (Radiochemistry) RL
- RPD Relative Percent Difference, a measure of the relative difference between two points
- Toxicity Equivalent Factor (Dioxin) TEF TEQ Toxicity Equivalent Quotient (Dioxin)

Colony Forming Unit

Contains No Free Liquid

TNTC Too Numerous To Count

# **Case Narrative**

# Client: Crain Environmental Project: Chem State #1 Well

Job ID: 880-49108-1

# Job ID: 880-49108-1

Eurofins Midland

# Page 82 of 249 1 08-1 2 and 3 4 5 ny 6 se 7 8 9 10 11 12 -14 11), 13 14

# Job Narrative

880-49108-1

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 9/27/2024 1:45 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.

## Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-11 (0-4') (880-49108-1), S-11 (4-6') (880-49108-2), S-12 (0-4') (880-49108-3), S-12 (4-6') (880-49108-4), S-13 (0-4') (880-49108-5), S-13 (4-6') (880-49108-6), S-14 (0-4') (880-49108-7), S-14 (4-6') (880-49108-8), S-15 (6') (880-49108-9), Stockpile 1 (880-49108-10), Stockpile 2 (880-49108-11), Stockpile 3 (880-49108-12) and Stockpile 4 (880-49108-13).

## GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: S-13 (4-6') (880-49108-6). Evidence of matrix interferences is not obvious.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-92116 and analytical batch 880-92216 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-12 (0-4') (880-49108-3) and S-12 (4-6') (880-49108-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

## **Diesel Range Organics**

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-92041 and analytical batch 880-92279 was outside the upper control limits.

Method 8015MOD\_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-92042/2-A) and (LCSD 880-92042/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD\_NM: The laboratory control sample (LCS) for preparation batch 880-92042 and analytical batch 880-92281 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28). These analytes were biased high in the LCS and are within parameters for the LCSD; therefore, the data have been reported based on the LCSD.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: S-12 (0-4') (880-49108-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

# HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-92154 and analytical batch 880-92241 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

# **Case Narrative**

Job ID: 880-49108-1

Client: Crain Environmental Project: Chem State #1 Well

Eurofins Midland

Job ID: 880-49108-1 (Continued)

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-92145 and analytical batch 880-92250 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

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RL

0.00199

0.00199

0.00199

0.00398

MDL Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

09/30/24 11:06

09/30/24 11:06

09/30/24 11:06

09/30/24 11:06

Job ID: 880-49108-1 SDG: Lea Co., NM

# Client Sample ID: S-11 (0-4')

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

Result Qualifier

<0.00199 U

<0.00199 U

<0.00199 U

<0.00398 U

Sample Depth: 0-4'

Analyte

Benzene

Toluene

Ethylbenzene

m-Xylene & p-Xylene

Analyzed

10/01/24 20:03

10/01/24 20:03

10/01/24 20:03

10/01/24 20:03

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Dil Fac

1

1

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1

1	ð
Dil Fac	9
1 1	
Dil Fac	
1	
Dil Fac	13
1	

Date Collected:	09/26/24	09:25
Date Received:	09/27/24	13:45

Project/Site: Chem State #1 Well

**Client: Crain Environmental** 

ni-Aylene & p-Aylene	~0.00590	0	0.00390		mg/ng		09/30/24 11:00	10/01/24 20:03	
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/30/24 11:06	10/01/24 20:03	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/30/24 11:06	10/01/24 20:03	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				09/30/24 11:06	10/01/24 20:03	1
1,4-Difluorobenzene (Surr)	103		70 - 130				09/30/24 11:06	10/01/24 20:03	1
Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/01/24 20:03	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	115		49.8		mg/Kg			10/02/24 03:40	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		09/29/24 20:31	10/02/24 03:40	1
Diesel Range Organics (Over C10-C28)	115		49.8		mg/Kg		09/29/24 20:31	10/02/24 03:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/29/24 20:31	10/02/24 03:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				09/29/24 20:31	10/02/24 03:40	1
o-Terphenyl	92		70 - 130				09/29/24 20:31	10/02/24 03:40	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	605	F1	24.8		mg/Kg			10/03/24 04:40	5
Client Sample ID: S-11 (4-6')							Lab Sam	ple ID: 880-4	9108-2
Date Collected: 09/26/24 09:30								Matri	x: Solid
Date Received: 09/27/24 13:45									
ample Depth: 4-6'									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:06	10/01/24 20:23	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200		mg/Kg		09/30/24 11:06	10/01/24 20:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:06	10/01/24 20:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:06	10/01/24 20:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/30/24 11:06	10/01/24 20:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:06	10/01/24 20:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/30/24 11:06	10/01/24 20:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				09/30/24 11:06	10/01/24 20:23	1

Job ID: 880-49108-1 SDG: Lea Co., NM

Lab Sample ID: 880-49108-2

Lab Sample ID: 880-49108-3

Matrix: Solid

# Client Sample ID: S-11 (4-6')

Date Collected: 09/26/24 09:30 Date Received: 09/27/24 13:45

Sample Depth: 4-6'

Client: Crain Environmental Project/Site: Chem State #1 Well

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

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	103		70 - 130				09/30/24 11:06	10/01/24 20:23	
Method: TAL SOP Total BTEX - 1	Total BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/01/24 20:23	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			10/02/24 03:55	
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Method: SW846 8015B NM - Die	sel Range Orga	nics (DRO)	(GC)						
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/29/24 20:31	10/02/24 03:55	
(GRO)-C6-C10	. 40.0		40.0				00/00/04 00 04		
Diesel Range Organics (Over C10-C28)	<49.9	0	49.9		mg/Kg		09/29/24 20:31	10/02/24 03:55	
/	<49.9	U	49.9		mg/Kg		09/29/24 20:31	10/02/24 03:55	
Oil Range Organics (Over C28-C36)					5.5				
Oil Range Organics (Over C28-C36)									
Oil Range Organics (Over C28-C36) Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
	% <b>Recovery</b> 108	Qualifier	Limits 70 - 130				Prepared 09/29/24 20:31	Analyzed 10/02/24 03:55	Dil Fa

#### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac 1530 24.8 10/03/24 04:59 Chloride mg/Kg 5

# Client Sample ID: S-12 (0-4')

Date Collected: 09/26/24 09:35 Date Received: 09/27/24 13:45 Sample Depth: 0-4'

#### Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene 0.00588 0.00200 mg/Kg 09/30/24 11:06 10/01/24 20:44 0.00200 09/30/24 11:06 10/01/24 20:44 Toluene 0.0672 mg/Kg 1 0.00200 mg/Kg 09/30/24 11:06 10/01/24 20:44 Ethylbenzene 0.00777 0.00401 10/01/24 20:44 m-Xylene & p-Xylene mg/Kg 09/30/24 11:06 0.0278 1 o-Xylene 0.156 0.00200 mg/Kg 09/30/24 11:06 10/01/24 20:44 1 0.00401 mg/Kg 09/30/24 11:06 10/01/24 20:44 **Xylenes**, Total 0.184 1 %Recovery Surrogate Qualifier Limits Dil Fac Prepared Analvzed S1+ 70 - 130 09/30/24 11:06 4-Bromofluorobenzene (Surr) 134 10/01/24 20.44 1 1,4-Difluorobenzene (Surr) 106 70 - 130 09/30/24 11:06 10/01/24 20:44 1 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed 0.265 0.00401 mg/Kg 10/01/24 20:44 **Total BTEX** 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac **Total TPH** 6460 49.7 mg/Kg 10/01/24 23:12 1

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Matrix: Solid

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Job ID: 880-49108-1 SDG: Lea Co., NM

Lab Sample ID: 880-49108-4

Matrix: Solid

# Client Sample ID: S-12 (0-4')

Project/Site: Chem State #1 Well

Date Collected: 09/26/24 09:35 Date Received: 09/27/24 13:45

Client: Crain Environmental

Sample Depth: 0-4'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	128	*+	49.7		mg/Kg		09/29/24 20:34	10/01/24 23:12	
Diesel Range Organics (Over C10-C28)	6330	*+	49.7		mg/Kg		09/29/24 20:34	10/01/24 23:12	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/29/24 20:34	10/01/24 23:12	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	99		70 - 130				09/29/24 20:34	10/01/24 23:12	
o-Terphenyl	211	S1+	70 - 130				09/29/24 20:34	10/01/24 23:12	

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3360		46.3		mg/Kg			10/03/24 05:05	10

# Client Sample ID: S-12 (4-6')

#### Date Collected: 09/26/24 09:40 Date Received: 09/27/24 13:45

	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/30/24 11:06	10/01/24 21:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/30/24 11:06	10/01/24 21:04	1
Ethylbenzene	0.0375		0.00199		mg/Kg		09/30/24 11:06	10/01/24 21:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/30/24 11:06	10/01/24 21:04	1
o-Xylene	0.00460		0.00199		mg/Kg		09/30/24 11:06	10/01/24 21:04	1
Xylenes, Total	0.00460		0.00398		mg/Kg		09/30/24 11:06	10/01/24 21:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144	S1+	70 - 130				09/30/24 11:06	10/01/24 21:04	1
1,4-Difluorobenzene (Surr)	105		70 - 130				09/30/24 11:06	10/01/24 21:04	1
Total BTEX	0.0421		0.00398		mg/Kg				
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (	GC)						
		ics (DRO) ( Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte				MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 10/01/24 23:26	Dil Fac
Analyte Total TPH	Result 128 sel Range Orga	Qualifier	(GC)		mg/Kg	<u>D</u>	Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies	Result 128 sel Range Orga	Qualifier	RL49.8	MDL	mg/Kg	D	Prepared		1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result 128 sel Range Orga	Qualifier nics (DRO) Qualifier	(GC)		mg/Kg		<u>·</u>	10/01/24 23:26	
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 128 Sel Range Orga Result	Qualifier nics (DRO) Qualifier U *+	(GC)		mg/Kg Unit		Prepared	10/01/24 23:26	Dil Fa
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)	Result 128 Sel Range Orga Result <49.8	Qualifier Qualifier Qualifier U *+ *+	RL           49.8           (GC)           RL           49.8		mg/Kg		Prepared 09/29/24 20:34	10/01/24 23:26 Analyzed 10/01/24 23:26	Dil Fac

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		Client	Sample R	lesults	;				
Client: Crain Environmental								Job ID: 880-	49108-1
Project/Site: Chem State #1 Well								SDG: Lea	Co., NN
Client Sample ID: S-12 (4-6')							Lab Sam	ple ID: 880-4	9108-4
Date Collected: 09/26/24 09:40								•	x: Solid
Date Received: 09/27/24 13:45									
Sample Depth: 4-6'									
_									
Method: EPA 300.0 - Anions, Ion C		-				_			
Analyte Chloride	Result	Qualifier		MDL	Unit mg/Kg	D	Prepared	Analyzed 10/03/24 05:24	Dil Fac
	2130		20.0		ilig/itg				-
Client Sample ID: S-13 (0-4')							Lab Sam	ple ID: 880-4	9108-5
Date Collected: 09/26/24 09:45								Matri	x: Solid
Date Received: 09/27/24 13:45									
Sample Depth: 0-4'									
_ Method: SW846 8021B - Volatile O	rganic Comp	ounds (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/30/24 10:59	10/01/24 11:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/30/24 10:59	10/01/24 11:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/30/24 10:59	10/01/24 11:57	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		09/30/24 10:59	10/01/24 11:57	
o-Xylene	<0.00201	U F1	0.00201		mg/Kg		09/30/24 10:59	10/01/24 11:57	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		09/30/24 10:59	10/01/24 11:57	1
0	0/ <b>D</b>	0	1 : :4				Durante	American	D# 5-
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery 90	Qualifier	Limits 70 - 130				Prepared 09/30/24 10:59	Analyzed 10/01/24 11:57	Dil Fac
1,4-Difluorobenzene (Surr)	90 97		70 - 130 70 - 130				09/30/24 10:59	10/01/24 11:57	1
	57		10 - 150				03/30/24 10:33	10/01/24 11:07	,
Method: TAL SOP Total BTEX - Tot	tal BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/01/24 11:57	1
 Method: SW846 8015 NM - Diesel I	Rango Organ	ics (DRO) (G	C)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/01/24 23:43	1
_									
Method: SW846 8015B NM - Diese	I Range Orga	nics (DRO) (	GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		09/29/24 20:34	10/01/24 23:43	1
Diesel Range Organics (Over	<50.0	U *+	50.0		mg/Kg		09/29/24 20:34	10/01/24 23:43	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/24 20:34	10/01/24 23:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130				09/29/24 20:34	10/01/24 23:43	1
o-Terphenyl	127		70 - 130				09/29/24 20:34	10/01/24 23:43	1
Method: EPA 300.0 - Anions, Ion C						_	<b>_</b> .		<b>-</b>
Analyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
_Chloride	1350		24.8		mg/Kg			10/03/24 05:31	5

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Job ID: 880-49108-1 SDG: Lea Co., NM

# Client Sample ID: S-13 (4-6')

Project/Site: Chem State #1 Well

Date Collected: 09/26/24 09:50 Date Received: 09/27/24 13:45 Sample Depth: 4-6'

Client: Crain Environmental

Lab Sample ID: 880-49108-6 Matrix: Solid

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13

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/24 10:59	10/01/24 12:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/24 10:59	10/01/24 12:17	1
Ethylbenzene	0.00692		0.00200		mg/Kg		09/30/24 10:59	10/01/24 12:17	1
m-Xylene & p-Xylene	0.0108		0.00399		mg/Kg		09/30/24 10:59	10/01/24 12:17	1
o-Xylene	0.0504		0.00200		mg/Kg		09/30/24 10:59	10/01/24 12:17	1
Xylenes, Total	0.0612		0.00399		mg/Kg		09/30/24 10:59	10/01/24 12:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				09/30/24 10:59	10/01/24 12:17	1
1,4-Difluorobenzene (Surr)	116		70 - 130				09/30/24 10:59	10/01/24 12:17	1
Method: TAL SOP Total BTEX - T	Total BTEX Cal	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0681		0.00399		mg/Kg			10/01/24 12:17	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (0	C)						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2010		49.7		mg/Kg			10/01/24 23:57	1
Method: SW846 8015B NM - Dies	• •		• •						
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.7	U *+	49.7		mg/Kg		09/29/24 20:34	10/01/24 23:57	1
(GRO)-C6-C10 Diesel Range Organics (Over	2010	*+	49.7		mg/Kg		09/29/24 20:34	10/01/24 23:57	
C10-C28)	2010		43.7		ilig/itg		09/29/24 20.34	10/01/24 23.37	
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/29/24 20:34	10/01/24 23:57	1
	%Recovery	Qualifier	Limits				Prepared	Analyzed	
Surrogate	/onecovery		Linits						Dil Fac
			70 - 130				09/29/24 20:34	10/01/24 23:57	Dil Fac
Surrogate 1-Chlorooctane o-Terphenyl							09/29/24 20:34 09/29/24 20:34		
1-Chlorooctane o-Terphenyl	87 130	<u> </u>	70 - 130 70 - 130					10/01/24 23:57	1
1-Chlorooctane	87 130 Chromatograp	<u> </u>	70 - 130 70 - 130	MDL	Unit	D		10/01/24 23:57	1
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion	87 130 Chromatograp	hy - Soluble	70 - 130 70 - 130	MDL	Unit mg/Kg	<u>D</u>	09/29/24 20:34	10/01/24 23:57 10/01/24 23:57	1 1
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride	87 130 Chromatograp Result 6700	hy - Soluble	70 - 130 70 - 130 RL	MDL		D	09/29/24 20:34 Prepared	10/01/24 23:57 10/01/24 23:57 <b>Analyzed</b> 10/03/24 05:37	Dil Fac
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride Slient Sample ID: S-14 (0-4)	87 130 Chromatograp Result 6700	hy - Soluble	70 - 130 70 - 130 RL	MDL		<u>D</u>	09/29/24 20:34 Prepared	10/01/24 23:57 10/01/24 23:57 Analyzed 10/03/24 05:37 ple ID: 880-4	Dil Fac 10 9108-7
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride Chloride Chloride Chloride Chloride ID: S-14 (0-4' ate Collected: 09/26/24 09:55	87 130 Chromatograp Result 6700	hy - Soluble	70 - 130 70 - 130 RL	MDL		D	09/29/24 20:34 Prepared	10/01/24 23:57 10/01/24 23:57 Analyzed 10/03/24 05:37 ple ID: 880-4	Dil Fac 10 9108-7
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride Ilient Sample ID: S-14 (0-4' ate Collected: 09/26/24 09:55 ate Received: 09/27/24 13:45	87 130 Chromatograp Result 6700	hy - Soluble	70 - 130 70 - 130 RL	MDL		<u>D</u>	09/29/24 20:34 Prepared	10/01/24 23:57 10/01/24 23:57 Analyzed 10/03/24 05:37 ple ID: 880-4	Dil Fac 10 9108-7
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride Hient Sample ID: S-14 (0-4' ate Collected: 09/26/24 09:55 ate Received: 09/27/24 13:45 ample Depth: 0-4'	Chromatograp Result 6700	bhy - Soluble Qualifier	70 - 130 70 - 130 RL	MDL		<u> </u>	09/29/24 20:34 Prepared	10/01/24 23:57 10/01/24 23:57 Analyzed 10/03/24 05:37 ple ID: 880-4	Dil Fac 10 9108-7
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte Chloride Elient Sample ID: S-14 (0-4' ate Collected: 09/26/24 09:55 ate Received: 09/27/24 13:45 ample Depth: 0-4' Method: SW846 8021B - Volatile	Organic Comp	ohy - Soluble Qualifier ounds (GC)	70 - 130 70 - 130 <b>RL</b> 50.5		mg/Kg		09/29/24 20:34 Prepared Lab Sam	10/01/24 23:57 10/01/24 23:57 Analyzed 10/03/24 05:37 ple ID: 880-4 Matri	Dil Fac 10 9108-7 x: Solic
1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	Organic Comp	ounds (GC) Qualifier	70 - 130 70 - 130 RL	MDL	mg/Kg	<u>D</u>	09/29/24 20:34 Prepared	10/01/24 23:57 10/01/24 23:57 Analyzed 10/03/24 05:37 ple ID: 880-4	Dil Fac 10 9108-7

Surrogate	%Recoverv	0	Limits		Prepared	Analvzed	Dil Fac
Xylenes, Total	<0.00398	U	0.00398	mg/Kg	09/30/24 10:59	10/01/24 12:38	1
o-Xylene	<0.00199	U	0.00199	mg/Kg	09/30/24 10:59	10/01/24 12:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg	09/30/24 10:59	10/01/24 12:38	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg	09/30/24 10:59	10/01/24 12:38	1
Toluene	<0.00199	U	0.00199	mg/Kg	09/30/24 10:59	10/01/24 12:38	1
Benzene	< 0.00199	U	0.00199	mg/Kg	09/30/24 10:59	10/01/24 12:38	1

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Limits

70 - 130

RL

RL

49.8

0.00398

MDL Unit

MDL Unit

mg/Kg

mg/Kg

Job ID: 880-49108-1 SDG: Lea Co., NM

Analyzed

10/01/24 12:38

Analyzed

10/01/24 12:38

Analyzed

10/02/24 00:11

Lab Sample ID: 880-49108-8

Matrix: Solid

# Client Sample ID: S-14 (0-4')

Date Collected: 09/26/24 09:55 Date Received: 09/27/24 13:45

Client: Crain Environmental Project/Site: Chem State #1 Well

Sample Depth: 0-4'

1,4-Difluorobenzene (Surr)

Surrogate

Total TPH

Lab	Sample	ID:	880-
			Mat

Prepared

09/30/24 10:59

Prepared

Prepared

D

D

-49108-7 trix: Solid Dil Fac Dil Fac Dil Fac 1

Analyte	Result	Qualifier
Total BTEX	< 0.00398	U

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

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

%Recovery Qualifier

87

76.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		09/29/24 20:34	10/02/24 00:11	1
Diesel Range Organics (Over C10-C28)	76.5	*+	49.8		mg/Kg		09/29/24 20:34	10/02/24 00:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/29/24 20:34	10/02/24 00:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				09/29/24 20:34	10/02/24 00:11	1
o-Terphenyl	98		70 - 130				09/29/24 20:34	10/02/24 00:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	733		24.9		mg/Kg			10/03/24 11:32	5

# Client Sample ID: S-14 (4-6')

Date Collected: 09/26/24 10:00 Date Received: 09/27/24 13:45 Sample Depth: 4-6'

#### Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.00201 U 0.00201 mg/Kg 09/30/24 10:59 10/01/24 12:58 Toluene <0.00201 U 0.00201 mg/Kg 09/30/24 10:59 10/01/24 12:58 1 Ethylbenzene <0.00201 U 0.00201 09/30/24 10:59 10/01/24 12:58 mg/Kg 10/01/24 12:58 0.00402 m-Xylene & p-Xylene <0.00402 U 09/30/24 10:59 mg/Kg 1 o-Xylene <0.00201 U 0.00201 mg/Kg 09/30/24 10:59 10/01/24 12:58 Xylenes, Total <0.00402 U 0.00402 mg/Kg 09/30/24 10:59 10/01/24 12:58 1 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analvzed 4-Bromofluorobenzene (Surr) 70 - 130 107 09/30/24 10:59 10/01/24 12:58 1 1,4-Difluorobenzene (Surr) 91 70 - 130 09/30/24 10:59 10/01/24 12:58 1 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL D Dil Fac Unit Prepared Analyzed Total BTEX <0.00402 Ū 0.00402 \_ mg/Kg 10/01/24 12:58 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total TPH <49.8 U 49.8 10/02/24 00:27 mg/Kg 1

**Eurofins Midland** 

Job ID: 880-49108-1 SDG: Lea Co., NM

# Client Sample ID: S-14 (4-6')

Date Collected: 09/26/24 10:00 Date Received: 09/27/24 13:45

Project/Site: Chem State #1 Well

Client: Crain Environmental

Sample Depth: 4-6'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		09/29/24 20:34	10/02/24 00:27	
Diesel Range Organics (Over C10-C28)	<49.8	U *+	49.8		mg/Kg		09/29/24 20:34	10/02/24 00:27	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/29/24 20:34	10/02/24 00:27	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	84		70 - 130				09/29/24 20:34	10/02/24 00:27	
o-Terphenyl	96		70 - 130				09/29/24 20:34	10/02/24 00:27	

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

Analyte	Result (	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	565		24.9		mg/Kg			10/03/24 05:45	5

# Client Sample ID: S-15 (6')

Date Collected: 09/26/24 10:05 Date Received: 09/27/24 13:45

# Sample Depth: 6'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/24 10:59	10/01/24 13:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/24 10:59	10/01/24 13:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/24 10:59	10/01/24 13:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/30/24 10:59	10/01/24 13:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/24 10:59	10/01/24 13:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/30/24 10:59	10/01/24 13:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				09/30/24 10:59	10/01/24 13:19	1
1,4-Difluorobenzene (Surr)	85		70 - 130				09/30/24 10:59	10/01/24 13:19	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			10/01/24 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1860		50.0		mg/Kg			10/02/24 00:41	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	<50.0	U *+	50.0		mg/Kg		09/29/24 20:34	10/02/24 00:41	1
(GRO)-C6-C10									
Diesel Range Organics (Over	1860	*+	50.0		mg/Kg		09/29/24 20:34	10/02/24 00:41	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/24 20:34	10/02/24 00:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				09/29/24 20:34	10/02/24 00:41	1
o-Terphenyl	103		70 - 130				09/29/24 20:34	10/02/24 00:41	1

Released to Imaging: 4/25/2025 3:04:33 PM

# Lab Sample ID: 880-49108-8 Matrix: Solid

5

# Lab Sample ID: 880-49108-9 Matrix: Solid

ient: Crain Environmental oject/Site: Chem State #1 Well								Job ID: 880-/ SDG: Lea	
oject/Site. Chem State #1 Wei								SDG. Lea	
lient Sample ID: S-15 (6')							Lab Sam	ple ID: 880-4	9108-9
ate Collected: 09/26/24 10:05								Matri	x: Solid
ate Received: 09/27/24 13:45									
ample Depth: 6'									
-									
Method: EPA 300.0 - Anions, Ion C		-							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1840		25.2		mg/Kg			10/03/24 05:51	5
Client Sample ID: Stockpile 1							Lab Samp	le ID: 880-49	108-10
Date Collected: 09/26/24 09:00							-		x: Solid
Date Received: 09/27/24 13:45									
-									
Method: SW846 8021B - Volatile O	rganic Comp	ounds (GC)							
Analyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/30/24 10:59	10/01/24 13:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/30/24 10:59	10/01/24 13:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/30/24 10:59	10/01/24 13:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/30/24 10:59	10/01/24 13:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/30/24 10:59	10/01/24 13:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/30/24 10:59	10/01/24 13:39	1
Surrogata	% Basavary	Qualifiar	Limito				Bronorod	Analyzad	
Surrogate	%Recovery	Qualifier	Limits				Prepared 09/30/24 10:59	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88 84		70 - 130 70 - 130					10/01/24 13:39 10/01/24 13:39	'
1,4-Difluorobenzene (Surr)	84		70 - 130				09/30/24 10:59	10/01/24 13:39	1
Method: TAL SOP Total BTEX - Tot	tal BTEX Calo	ulation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402		0.00402		mg/Kg			10/01/24 13:39	1
-									
Method: SW846 8015 NM - Diesel I	Range Organ	ics (DRO) (G	C)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			10/02/24 00:58	1
- Mathadi CW/84C 9045D NM Diago									
Method: SW846 8015B NM - Diese				MDI	11		Dremenad	Analyzad	
Analyte	Kesuit <49.9	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	0 "+	49.9		mg/Kg		09/29/24 20:34	10/02/24 00:58	1
Diesel Range Organics (Over	<49.9	U *+	49.9		mg/Kg		09/29/24 20:34	10/02/24 00:58	1
C10-C28)		-							
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/24 20:34	10/02/24 00:58	1
- · ·	~~=	•							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				09/29/24 20:34	10/02/24 00:58	1
o-Terphenyl	89		70 - 130				09/29/24 20:34	10/02/24 00:58	1
Method: EPA 300.0 - Anions, Ion C	bromatogran	hy - Soluble							
Analyte		Qualifier	RL	мы	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	607		5.03		mg/Kg			10/03/24 05:58	1
-									
Client Sample ID: Stockpile 2							Lab Samp	le ID: 880-49	108-11
Date Collected: 09/26/24 09:05								Matri	x: Solid
Date Received: 09/27/24 13:45									
		- (00)							
Method: SW846 8021B - Volatile O			ы	моч	Unit	<b>n</b>	Droparad	Analyzed	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00201	U	0.00201		mg/Kg		09/30/24 10:59	10/01/24 14:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/30/24 10:59	10/01/24 14:00	1

Client: Crain Environmental Project/Site: Chem State #1 Well

# Client Sample ID: Stockpile 2

Date Collected: 09/26/24 09:05 Date Received: 09/27/24 13:45

Method: SW846 8021B - Volatile				MD	Unit	D	Bronered	Analyzed	
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00201		0.00201		mg/Kg		09/30/24 10:59	10/01/24 14:00	1
m-Xylene & p-Xylene	<0.00402		0.00402		mg/Kg		09/30/24 10:59	10/01/24 14:00	1
o-Xylene	<0.00201		0.00201		mg/Kg		09/30/24 10:59	10/01/24 14:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/30/24 10:59	10/01/24 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				09/30/24 10:59	10/01/24 14:00	1
1,4-Difluorobenzene (Surr)	94		70 - 130				09/30/24 10:59	10/01/24 14:00	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			10/01/24 14:00	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (0	GC)						
Analyte		Qualifier	, RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/02/24 01:12	1
Method: SW846 8015B NM - Dies	al Pango Orga		(60)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
-			50.0			<u> </u>	09/29/24 20:34	10/02/24 01:12	1
Gasoline Range Organics (GRO)-C6-C10	<50.0	0 +	50.0		mg/Kg		09/29/24 20.34	10/02/24 01.12	I
Diesel Range Organics (Over	<50.0	U *+	50.0		mg/Kg		09/29/24 20:34	10/02/24 01:12	1
C10-C28)					5.5				
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/24 20:34	10/02/24 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				09/29/24 20:34	10/02/24 01:12	1
o-Terphenyl	88		70 - 130				09/29/24 20:34	10/02/24 01:12	1
Method: EPA 300.0 - Anions, Ion	Chromatogram	ohv - Soluble	9						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1140	F1	24.8		mg/Kg			10/02/24 05:55	5
lient Sample ID: Stockpile	3						Lab Samp	le ID: 880-49	108-12
ate Collected: 09/26/24 09:10	-								x: Solid
ate Received: 09/27/24 13:45								WICH	
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200		mg/Kg		09/30/24 10:59	10/01/24 14:21	1
	<0.00200		0.00200		mg/Kg		09/30/24 10:59	10/01/24 14:21	

1,4-Difluorobenzene (Surr)	77		70 - 130		09/30/24 10:59	10/01/24 14:21	1
4-Bromofluorobenzene (Surr)	88		70 - 130		09/30/24 10:59	10/01/24 14:21	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00399	U	0.00399	mg/Kg	09/30/24 10:59	10/01/24 14:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg	09/30/24 10:59	10/01/24 14:21	1
m-Xylene & p-Xylene	< 0.00399	U	0.00399	mg/Kg	09/30/24 10:59	10/01/24 14:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg	09/30/24 10:59	10/01/24 14:21	1
Toluene	<0.00200	U	0.00200	mg/Kg	09/30/24 10:59	10/01/24 14:21	1
				5 5			

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Job ID: 880-49108-1 SDG: Lea Co., NM

# Lab Sample ID: 880-49108-11

Matrix: Solid

5

Job ID: 880-49108-1 SDG: Lea Co., NM

Matrix: Solid

5

Lab Sample ID: 880-49108-12

# Client Sample ID: Stockpile 3 Date Collected: 09/26/24 09:10

Project/Site: Chem State #1 Well

Date Received: 09/27/24 13:45

Client: Crain Environmental

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/01/24 14:21	1
Method: SW846 8015 NM - Diesel	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			10/02/24 01:42	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	<50.0	U *+	50.0		mg/Kg		09/29/24 20:34	10/02/24 01:42	1
GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U *+	50.0		mg/Kg		09/29/24 20:34	10/02/24 01:42	1
C10-C28)									
Dil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/24 20:34	10/02/24 01:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
I-Chlorooctane	75		70 - 130				09/29/24 20:34	10/02/24 01:42	1
p-Terphenyl	81		70 - 130				09/29/24 20:34	10/02/24 01:42	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	749		4.96		mg/Kg			10/02/24 06:11	1

# **Client Sample ID: Stockpile 4**

Date Collected: 09/26/24 09:15

# Lab Sample ID: 880-49108-13 Matrix: Solid

Date Received: 09/27/24 13:45

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/30/24 10:59	10/01/24 14:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/30/24 10:59	10/01/24 14:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/30/24 10:59	10/01/24 14:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		09/30/24 10:59	10/01/24 14:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/30/24 10:59	10/01/24 14:41	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		09/30/24 10:59	10/01/24 14:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			09/30/24 10:59	10/01/24 14:41	1
1,4-Difluorobenzene (Surr)	93		70 - 130			09/30/24 10:59	10/01/24 14:41	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/01/24 14:41	1
Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (O	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			10/02/24 01:56	1
Method: SW846 8015B NM - Di	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U *+	50.0		mg/Kg		09/29/24 20:34	10/02/24 01:56	1
0 0									
(GRO)-C6-C10 Diesel Range Organics (Over	<50.0	U *+	50.0		mg/Kg		09/29/24 20:34	10/02/24 01:56	1

Client: Crain Environmental Project/Site: Chem State #1 Well

# Client Sample ID: Stockpile 4 Date Collected: 09/26/24 09:15

Date Received: 09/27/24 13:45

# Job ID: 880-49108-1 SDG: Lea Co., NM

# Lab Sample ID: 880-49108-13

Matrix: Solid

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/24 20:34	10/02/24 01:56	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	78		70 - 130				09/29/24 20:34	10/02/24 01:56	
o-Terphenyl	84		70 - 130				09/29/24 20:34	10/02/24 01:56	
Method: EPA 300.0 - Anions, Ion	Chromatograp	ohy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	4380		49.9		mg/Kg			10/02/24 06:17	10

Eurofins Midland

Client: Crain Environmental Project/Site: Chem State #1 Well

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

BFB1 DFBZ1 Client Sample ID (70-130) (70-130) Lab Sample ID 880-49108-1 S-11 (0-4') 105 103 880-49108-2 S-11 (4-6') 102 103 880-49108-3 S-12 (0-4') 134 S1+ 106 880-49108-4 S-12 (4-6') 144 S1+ 105 880-49108-5 S-13 (0-4') 90 97 880-49108-5 MS S-13 (0-4') 110 116 880-49108-5 MSD S-13 (0-4') 96 112 138 S1+ 880-49108-6 S-13 (4-6') 116 880-49108-7 S-14 (0-4') 90 87 880-49108-8 S-14 (4-6') 107 91 880-49108-9 S-15 (6') 87 85 880-49108-10 Stockpile 1 88 84 880-49108-11 Stockpile 2 88 94 880-49108-12 Stockpile 3 88 77 880-49108-13 Stockpile 4 97 93 LCS 880-92116/1-A Lab Control Sample 95 124 LCS 880-92118/1-A Lab Control Sample 105 100 LCSD 880-92116/2-A Lab Control Sample Dup 88 122 LCSD 880-92118/2-A Lab Control Sample Dup 101 103 MB 880-92116/5-A Method Blank 82 100 MB 880-92118/5-A Method Blank 103 99

#### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

1CO1 OTPH1
Lab Sample IDClient Sample ID(70-130)(70-130)
880-49108-1 S-11 (0-4') 91 92
880-49108-2 S-11 (4-6') 108 112
880-49108-3 S-12 (0-4') 99 211 S1+
880-49108-4 S-12 (4-6') 82 97
880-49108-5 S-13 (0-4') 114 127
880-49108-6 S-13 (4-6') 87 130
880-49108-7 S-14 (0-4') 85 98
880-49108-8 S-14 (4-6') 84 96
880-49108-9 S-15 (6') 80 103
880-49108-10 Stockpile 1 82 89
880-49108-11 Stockpile 2 80 88
880-49108-12 Stockpile 3 75 81
880-49108-13 Stockpile 4 78 84
LCS 880-92041/2-A Lab Control Sample 112 110
LCS 880-92042/2-A Lab Control Sample 149 S1+ 144 S1+
LCSD 880-92041/3-A Lab Control Sample Dup 126 127
LCSD 880-92042/3-A Lab Control Sample Dup 136 S1+ 131 S1+
MB 880-92041/1-A Method Blank 145 S1+ 143 S1+

# Eurofins Midland

Prep Type: Total/NA

Job ID: 880-49108-1 SDG: Lea Co., NM

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

#### **Surrogate Summary** Client: Crain Environmental Job ID: 880-49108-1 Project/Site: Chem State #1 Well SDG: Lea Co., NM Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued) Matrix: Solid Prep Type: Total/NA Percent Surrogate Recovery (Acceptance Limits) 1CO1 OTPH1 5 Lab Sample ID Client Sample ID (70-130) (70-130) MB 880-92042/1-A Method Blank 70 75 6 Surrogate Legend 1CO = 1-Chlorooctane OTPH = o-Terphenyl

# **QC Sample Results**

Client: Crain Environmental Project/Site: Chem State #1 Well

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

Lab Sample ID: MB 880-92116/5-A Matrix: Solid Analysis Batch: 92216							Client Sa	mple ID: Metho Prep Type: 1 Prep Batch	otal/NA
	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/24 10:59	10/01/24 11:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/24 10:59	10/01/24 11:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/24 10:59	10/01/24 11:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/30/24 10:59	10/01/24 11:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/24 10:59	10/01/24 11:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/30/24 10:59	10/01/24 11:35	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				09/30/24 10:59	10/01/24 11:35	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/30/24 10:59	10/01/24 11:35	1
Lab Sample ID: LCS 880-92116/1-A						C	lient Sample II	D: Lab Control	Sample

## Lab Sample ID: LCS 880-92116/1-A Matrix: Solid

# Analysis Batch: 92216

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1020		mg/Kg		102	70 - 130	
Toluene	0.100	0.09374		mg/Kg		94	70 - 130	
Ethylbenzene	0.100	0.08694		mg/Kg		87	70 - 130	
m-Xylene & p-Xylene	0.200	0.1688		mg/Kg		84	70 - 130	
o-Xylene	0.100	0.08385		mg/Kg		84	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

# Lab Sample ID: LCSD 880-92116/2-A

# Matrix: Solid

Analysis Batch: 92216							Prep	Batch:	92116
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1011		mg/Kg		101	70 - 130	1	35
Toluene	0.100	0.08761		mg/Kg		88	70 - 130	7	35
Ethylbenzene	0.100	0.08184		mg/Kg		82	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1543		mg/Kg		77	70 - 130	9	35
o-Xylene	0.100	0.07753		mg/Kg		78	70 - 130	8	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

#### Lab Sample ID: 880-49108-5 MS Matrix: Solid

## Analysis Retaby 02246

Analysis Batch: 92216									Prep	Batch: 92116
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.100	0.09322		mg/Kg		93	70 - 130	
Toluene	<0.00201	U	0.100	0.08552		mg/Kg		86	70 - 130	

**Eurofins Midland** 

Client Sample ID: S-13 (0-4')

Prep Type: Total/NA

Job ID: 880-49108-1

SDG: Lea Co., NM

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Prep Batch: 92116

# **QC Sample Results**

Client: Crain Environmental Project/Site: Chem State #1 Well

Job ID: 880-49108-1 SDG: Lea Co., NM

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

Benzene         <0.00200	Lab Sample ID: 880-49108-5 Matrix: Solid													Type: To	tal/N
Analyce         Result         Qualifier         Added         Result         Qualifier         Initis         Initis           Ethylioenzene         <0.00201         U         0.100         0.09201         mg/Kg         68         70.130           Sxylene & <0.00201         U F1         0.100         0.08717         mg/Kg         68         70.130           Sxylene         <0.00201         U F1         0.100         0.08717         mg/Kg         87         70.130           Surrogate          SRecovery Qualifier         Limits         70.130         70.130         70.130         70.130           Lab Sample D: 880-49108-5 MSD         Sample         Spike         MSD         MSD         Singlass         70.130         22         70.130         70.130         70	Analysis Batch: 92216		_		o "									Batch:	9211
Ehyberizene 40.00201 U 0.100 0.9201 mg/kg 92 70.130 m3/kg 85 70-130 mg/kg 85 70-130 mg/kg 85 70-130 mg/kg 87 70.130 MS MS Surrogate 40.00201 U F1 0.100 0.08717 mg/kg 87 70.130 Surrogate 50.0000 U F1 0.100 1,4-Diluorobenzene (Surr) 116 For 150 Lab Sample ID: 880-49108-5 MSD Matrix: Solid Analysis Batch: 92216 Maspine 40.00201 U 0.0100 0.08855 mg/kg 79 70.130 71 F4 Batch: 92216 Maspine 40.00201 U 0.0100 0.08855 mg/kg 79 70.130 71 F4 Batch: 92216 Maspine 40.00201 U 0.0100 0.08855 mg/kg 79 70.130 71 Faluene 40.00201 U 0.0100 0.07843 mg/kg 79 70.130 71 Faluene 40.00201 U 0.100 0.07843 mg/kg 79 70.130 21 mx/yene & p.Xylene 40.00201 U 0.100 0.06726 F1 mg/kg 67 70.130 23 Surrogate 50.00201 U F1 0.200 0.1347 F1 mg/kg 67 70.130 23 Surrogate 50.00201 U F1 0.100 0.06726 F1 mg/kg 67 70.130 23 Surrogate 40.00201 U 0.100 0.07643 mg/kg 79 70.130 23 Surrogate 40.00201 U F1 0.100 0.06726 F1 mg/kg 67 70.130 23 Surrogate 60.00201 U F1 0.100 0.06726 F1 mg/kg 67 70.130 23 Surrogate 60.00201 U 0.00200 mg/kg 9930241106 1001241307 Surrogate 40.00200 U 0.00200 mg/kg 9930241106 1001241307 F20mm/ubrobenzene (Surr) 96 70.130 Surrogate 40.00200 U 0.00200 mg/kg 9930241106 1001241307 Surrogate 50.0000 U 0.00000 mg/kg 9930241106 1001241307 Surrogate 50.00000 U 0.000000 mg/kg 9930241		-									_	~ =			
Sylene & p-Xylene         <0.00402	-			fier			Qua	lifier			D .				
Kypene       40.00201       U F1       0.100       0.08717       mg/kg       87       70.130         MS															
MS         MS           Surrogate         %Recovery         Qualifier         Limits           -Bromofulorobenzene (Surr)         110         70 - 130           -Able Oblight Search         9         Client Sample ID: 880-49108-5 MSD         Client Sample ID: 880-49108-5 MSD           Analysis Batch: 92216         Sample         Sample         Splite         MSD         MSD         Watrix: Solid           Analysis Batch: 92216         Result         Qualifier         Unit         D         5/Rec         Limits         RPD           Senzene         <0.00201															
Surrogate         %Recovery         Qualifier         Limits           -Bromedinuobenzene (Surr)         110         70 - 130           -ADMurobenzene (Surr)         116         70 - 130           Admicrobenzene (Surr)         116         70 - 130           Analysis Batch: 92216         Sample D: 880-49108-5 MSD         Client Sample ID: 880-49108-5 MSD           Matrix: Solid         Sample         Spike         MSD         MSD         WRec           Malysis Batch: 92216         Outsiller         Added         Result         Qualifier         Unit         D         %Rec         Himb         Prep Batch: 9           Marzane         <0.0020	-Xylene	<0.00201 ไ	U F1		0.100	0.08717			mg/Kg			87	70 - 130		
Bromofuorobenzene (Surr)         110         70 - 130           420#buorobenzene (Surr)         116         70 - 130           ab Sample ID: 880-49108-5 MSD Atatrix: Solid         Client Sample ID: 881-49108-5 MSD         Prep Type: Tote Prep Batch: 9           nalyie         Sample Bach: 9         Spike         MSD         MSD         WRC           enzene         <0.00201		MS I	MS												
A-Diffuorobenzene (Surr)       116       70 - 130         Aab Sample ID: 880-49108-5 MSD Aatrix: Solid       Sample       MSD       MSD       MSD       Prop Type: Total Prop Batch: 9         inalyse       Result       Qualifier       Added       Result       Qualifier       Unit       D       %Rec       Limits       RPD       11       11       11       11       11       11       110       110       0.07453       mg/Kg       67       70.130       23       23       24       24       24       24       24       24       24       24       24       25       25       25       26       25       25       25       25       25       26	Surrogate	%Recovery	Qual	ifier	Limits										
Lab Sample ID: 880-49108-5 MSD Matrix: Solid Analysis Batch: 92216 Sample Sample Control Co	-Bromofluorobenzene (Surr)	110			70 - 130										
Progr Type: Tota Analysis Batch: 92216         Progr Type: Tota Progr Type: Tota Progr Type: Tota           Sample Sample Sample Added Result Qualifier Unit 0.08335         D         %Rec Willing         Limits RPD 4         RPD 70.130         T           Ierezene         <0.00201	,4-Difluorobenzene (Surr)	116			70 - 130										
Progr Type: Tota	ab Sample ID: 880-49108-5	MSD										Clien	t Sample I	D: S-13	(0-4
Prep Batch: 92216       Prep Batch: 9         Sample       Sample       Sample       MISD       Signe       Prep Batch: 9         analyte       Result       Qualifier       Unit       D       %Rec       Limits       Result       Qualifier       Unit       Prep Batch: 9         oblene       <0.00201															
Sample         Sample         Spike         MSD         %Rec           unalyte         Result         Qualifier         Added         Result         Qualifier         Unit         D         %Rec         Limits         RPD         11           oluene         <0.00201															
Maiyte         Result         Qualifier         Added         Result         Qualifier         Unit         D         %Rec         Limits         RPD           Jerzene         <0.00201	analysis Baten. 52210	Sample S	Samı	ole	Spike	MSD	MSD	)						Baten.	RF
MB         MDL Unit         D         Prep reg Type: Tota         Diol/24 11:06         Diol/24 13:07         Malyzed	nalvte	-							Unit		п	%Rec		RPD	Lin
bilance         <0.00201         U         0.100         0.07441         mg/Kg         79         70.130         7           thybenzene         <0.00201											· - ·				
titylbenzene       <0.00201       U       0.100       0.07453       mg/kg       75       70.130       21         hXylene & p-Xylene       <0.00402															
Mylene & p-Xylene       <0.00402       U F1       0.200       0.1347       F1       mg/Kg       67       70.130       23         Avglene       <0.00201       U F1       0.100       0.06726       F1       mg/Kg       67       70.130       23         MSD       MSD       MSD       MSD       Limits       mg/Kg       67       70.130       26         MsD       MSD       MSD       Limits       Client Sample ID:       MB 880-92118/5-A       Client Sample ID: MB 880-92118/5-A         Adatrix: Solid       Malysis Batch:       92214       MB       MB       Client Sample ID: MB 10:       Method E         Inalyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed       Client 13:07         Oldene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07       Malyzed       D         ×Xylene & p-Xylene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07         xStene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07         xSylene & p-Xylene       <0.00200       U       0.00200															
Surrogate       <0.00201       U F1       0.100       0.06726       F1       mg/Kg       67       70.130       26         Surrogate       %Recovery       Qualifier       Limits       70.130       70.130       26         Surrogate       %Recovery       Qualifier       Limits       70.130       70.130       26         Surrogate       %Recovery       Qualifier       Limits       70.130       70.130       26         Lab Sample ID: MB 880-92118/5-A       MB       MB       Client Sample ID: Method B       Prep Type: Tota         Analysis Batch: 92214       MB       MB       MB       MB       D       Prep Type: Tota         Inalyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed       D         Serzene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07       D         Serzene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07       D         Nylene & <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07       D         Kylenes, Total       <0.00400       U       0.00							F1								
MSD         MSD         MSD           urrogate         %Recovery         Qualifier         Limits           Bromofiluorobenzene (Surr)         96         70.130           ,4-Difluorobenzene (Surr)         112         70.130           ,ab Sample ID: MB 880-92118/5-A         Client Sample ID: Method B           Atatrix: Solid         Prep Type: Tota           Analysis Batch: 92214         MB           malyte         Result         Qualifier           erzene         <0.00200															
urrogate         %Recovery         Qualifier         Limits           Bromofluorobenzene (Surr)         96         70 - 130           4-Difluorobenzene (Surr)         112         70 - 130           ab Sample ID: MB 880-92118/5-A         Client Sample ID: MB 880-92118/5-A         Prep Type: Total           Ratrix: Solid         MB         MB         Prep Type: Total           nalyte         Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed         D           enzene         <0.00200	A giono				0.100	0.00720	• •		ing/itg			01	101100	20	
Bromofluorobenzene (Surr)         96         70.130           ,4-Difluorobenzene (Surr)         112         70.130           ab Sample ID: MB 880-92118/5-A         Client Sample ID: MB 680-92118/5-A           Aatrix: Solid         Prep Type: Tote           unalysis Batch: 92214         MB MB           matyte         Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed         D           eerzene         <0.00200	urro goto			ifior	Limito										
14-Difluorobenzene (Surr)       112       70 - 130         Lab Sample ID: MB 880-92118/5-A       Client Sample ID: Method B         Matrix: Solid       Prep Type: Total         Analysis Batch: 92214       MB         Matrix: Solid       09/30/24 11:06         Matrix: Solid       09/30/24 11:06         Matrix: Solid       09/30/24 11:06         Matrix: Solid       09/30/24 11:06         Matrix: Solid       000200         Matrix: Solid       09/30/24 11:06         Matrix: Solid       000200         MB       MB         Matrix: Solid       00/30/24 11:06         Matrix: Solid       00/30/24 11:06         Matrix: Solid       00/30/24 11:06         MB       MB         MB       00/0000         MB       09/30/24 11:06         Matrix: Solid       00/0000         MB       MB         Surrogate       %Recovery         MB       MB         Barrogate       %Recovery         Qualifier       Limits         Barrogate       %Recovery         MB       MB         Barrogate       %Recovery         Op/30/24 11:06       10/01/24 13:07			Quan												
Client Sample ID: MB 880-92118/5-A         Adatrix: Solid         Analysis Batch: 92214         MB MB         Image: Result Qualifier       RL       MDL Unit       D       Prep ared       Analyzed       Client Sample ID: Method E         Image: Result Qualifier       RL       MDL Unit       D       Prepared       Analyzed       Client Sample ID: Method E         Analysis Batch: 92214         MB       MB         Image: Result Qualifier       MDL Unit       D       Prepared       Analyzed       C         Index (main file)       Result Qualifier       MDL       Unit       D       Prepared       Analyzed       D         Image: Result Qualifier       MIE       MDL       Unit       Notice Result Qualifier       Limits         Image: Result Qualifier       Limits       Prepared       Analyzed       M															
Matrix: Solid Analysis Batch: 92214         Prep Type: Total           MB         MB           malyte         Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed         D           enzene         <0.00200	, ·														
Malysis Batch: 92214         MB         MB           Malyte         Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed         D           tenzene         <0.00200	ab Sample ID: MB 880-921	18/ <b>5-A</b>										Client Sa	ample ID:	Method	Blar
MB         MB           Analyte         Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed         D           Benzene         <0.00200	Matrix: Solid												Prep 1	Type: To	tal/N
Analyte         Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed         D           Senzene         <0.00200         U         0.00200         mg/Kg         09/30/24 11:06         10/01/24 13:07         0           Solutione         <0.00200         U         0.00200         mg/Kg         09/30/24 11:06         10/01/24 13:07         0           Sthylbenzene         <0.00200         U         0.00200         mg/Kg         09/30/24 11:06         10/01/24 13:07         0           -xXylene & p-Xylene         <0.00200         U         0.00200         mg/Kg         09/30/24 11:06         10/01/24 13:07           -xXylene & co.00200         U         0.00400         mg/Kg         09/30/24 11:06         10/01/24 13:07           -xXylene          <0.00200         U         0.00400         mg/Kg         09/30/24 11:06         10/01/24 13:07           -xYlenes, Total         <0.00400         U         0.00400         mg/Kg         09/30/24 11:06         10/01/24 13:07           Surrogate          %Recovery         Qualifier         Limits         09/30/24 11:06         10/01/24 13:07           -4-Difluorobenzene (Surr)         103         70 - 130	Analysis Batch: 92214												Prep	Batch:	<b>921</b> 1
Jenzene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07         Joluene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07         Sthylbenzene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07         n-Xylene & p-Xylene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07         -Xylene & p-Xylene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07         -Xylene & p-Xylene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07         -Xylene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07         -Xylene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07         (ylenes, Total           0.00400       mg/Kg       09/30/24 11:06       10/01/24 13:07         Surrogate                   -L-Bromofluorobenzene (Surr)       103		ļ	ΜВ	МВ											
oluene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07         ithylbenzene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07         n-Xylene & p-Xylene       <0.00400       U       0.00400       mg/Kg       09/30/24 11:06       10/01/24 13:07         -Xylene & p-Xylene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07         -Xylene       <0.00200       U       0.00200       mg/Kg       09/30/24 11:06       10/01/24 13:07         -Xylene       <0.00200       U       0.00400       mg/Kg       09/30/24 11:06       10/01/24 13:07         -Xylenes, Total       <0.00400       U       0.00400       mg/Kg       09/30/24 11:06       10/01/24 13:07         Suprogate                 B       MB	nalyte	Res	sult	Qualifier	RL	·	MDL	Unit		D	Pr	epared	Analyz	ed	Dil F
thylbenzene       <0.00200	enzene	<0.002	200	U	0.00200	)		mg/Kg	I		09/30	)/24 11:06	10/01/24	13:07	
Jord Stress       Stress       Stress       Stress         In-Xylene & p-Xylene       <0.00400	oluene	<0.002	200	U	0.00200	)		mg/Kg	I		09/30	)/24 11:06	10/01/24	13:07	
-Xylene       <0.00200	thylbenzene	<0.002	200	U	0.00200	)		mg/Kg	1		09/30	)/24 11:06	10/01/24	13:07	
Kylenes, Total       <0.00400       U       0.00400       mg/Kg       09/30/24 11:06       10/01/24 13:07         MB       MB       MB       MB       Analyzed       Analyzed       Analyzed       Composition of the second	n-Xylene & p-Xylene	< 0.004	400	U	0.00400			mg/Kg	1		09/30	)/24 11:06	10/01/24	13:07	
MB     MB       Surrogate     %Recovery     Qualifier     Limits       -Bromofluorobenzene (Surr)     103     70 - 130     09/30/24 11:06     10/01/24 13:07       -A-Difluorobenzene (Surr)     99     70 - 130     09/30/24 11:06     10/01/24 13:07       -Lab Sample ID: LCS 880-92118/1-A     Client Sample ID: Lab Control Sample I	-Xylene	<0.002	200	U	0.00200	)		mg/Kg	1		09/30	)/24 11:06	10/01/24	13:07	
Surrogate       %Recovery       Qualifier       Limits       Prepared       Analyzed       D         -Bromofiluorobenzene (Surr)       103       70 - 130       09/30/24 11:06       10/01/24 13:07       D         ,4-Difluorobenzene (Surr)       99       70 - 130       09/30/24 11:06       10/01/24 13:07       D         .ab Sample ID: LCS 880-92118/1-A       Client Sample ID: Lab Control Sample ID: Lab	ylenes, Total	< 0.004	400	U	0.00400	)		mg/Kg	1		09/30	)/24 11:06	10/01/24	13:07	
Surrogate       %Recovery       Qualifier       Limits       Prepared       Analyzed       D         -Bromofiluorobenzene (Surr)       103       70 - 130       09/30/24 11:06       10/01/24 13:07       D         ,4-Difluorobenzene (Surr)       99       70 - 130       09/30/24 11:06       10/01/24 13:07       D         .ab Sample ID: LCS 880-92118/1-A       Client Sample ID: Lab Control Sample ID: Lab			мв	МВ											
4-Difluorobenzene (Surr)       99       70 - 130       09/30/24 11:06       10/01/24 13:07         ab Sample ID: LCS 880-92118/1-A       Client Sample ID: Lab Control Sample ID: Lab Co	urrogate				Limits						Pr	epared	Analyz	ed	Dil F
ab Sample ID: LCS 880-92118/1-A Client Sample ID: Lab Control Sam Natrix: Solid Prep Type: Tota	-Bromofluorobenzene (Surr)		103		70 - 130	-					09/30	0/24 11:06	10/01/24	13:07	
Aatrix: Solid Prep Type: Tota	,4-Difluorobenzene (Surr)		99		70 - 130						09/30	0/24 11:06	10/01/24	13:07	
Aatrix: Solid Prep Type: Tota	ab Sample ID: LCS 880-92	118/1-A								C	lient	Sample	ID: Lab Co	ontrol S	amn
										-					
riayor batchi vizi + Fiep Datchi v															
Spike LCS LCS %Rec	analysis Buton. 32214				Snike	201	105							Suton.	521

	Spike	LUS	103				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09254		mg/Kg		93	70 - 130	
Toluene	0.100	0.08706		mg/Kg		87	70 - 130	
Ethylbenzene	0.100	0.08786		mg/Kg		88	70 - 130	
m-Xylene & p-Xylene	0.200	0.1884		mg/Kg		94	70 - 130	

Client: Crain Environmental

Project/Site: Chem State #1 Well

# Job ID: 880-49108-1 SDG: Lea Co., NM

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

Lab Sample ID: LCS 880-92118/	/1 <b>-A</b>								Clie	ent Sampl	le ID: Lab Co		
Matrix: Solid											Prep 1	Type: To	tal/NA
Analysis Batch: 92214											Prep	Batch:	92118
				Spike	LC	S LCS	;				%Rec		
Analyte				Added	Resu	t Qua	lifier	Unit		D %Rec	Limits		
o-Xylene				0.100	0.0942	3		mg/Kg		94	70 - 130		
	LCS	LCS											
Surrogate	%Recovery	Qual	ifier	Limits									
4-Bromofluorobenzene (Surr)	105			70 - 130									
1,4-Difluorobenzene (Surr) _	100			70 - 130									
Lab Sample ID: LCSD 880-9211	8/2-A							Clie	ent Sa	ample ID:	Lab Contro	l Samp	le Dup
Matrix: Solid												Type: To	
Analysis Batch: 92214												Batch:	
· · · · · · · · · · · · · · · · · · ·				Spike	LCS	LCS	D				%Rec		RPD
Analyte				Added	Resu	t Qua	lifier	Unit		D %Rec	Limits	RPD	Limi
Benzene				0.100	0.0863	3		mg/Kg		86	70 - 130	7	35
Toluene				0.100	0.0808	C		mg/Kg		81	70 - 130	7	35
Ethylbenzene				0.100	0.0813	4		mg/Kg		81	70 - 130	8	35
m-Xylene & p-Xylene				0.200	0.175	алал Э		mg/Kg		88	70 - 130	7	35
o-Xylene				0.100	0.0885	5		mg/Kg		89	70 - 130	6	35
	LCSD	LCSI	0										
Surrogate	%Recovery	Qual	ifier	Limits									
4-Bromofluorobenzene (Surr)	101			70 - 130									
1,4-Difluorobenzene (Surr)	103			70 - 130									
Method: 8015B NM - Diesel	Range O	gan	ics (DR	O) (GC)									
_ Lab Sample ID: MB 880-92041/1	1-A									Client	Sample ID:	Method	Blank
Matrix: Solid										enem		Type: To	
												Batch:	
Analysis Batch: 92279		мв	МВ										
Analysis Batch: 92279						MDL	Unit		D	Prepared	Analyz	ed	Dil Fac
Analysis Batch: 92279	R		Qualifier		RL								
Analyte Gasoline Range Organics					50.0		mg/Kg		0	9/29/24 20:3	31 10/01/24	21:43	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over		esult	U				mg/Kg mg/Kg			9/29/24 20:3 9/29/24 20:3			
Analyte Gasoline Range Organics (GRO)-C6-C10		esult 50.0	U		50.0				0		31 10/01/24	21:43	1

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	1-Chlorooctane	145	S1+	70 - 130	09/29/24 20:31	10/01/24 21:43	1
L	o-Terphenyl	143	S1+	70 - 130	09/29/24 20:31	10/01/24 21:43	1

## Lab Sample ID: LCS 880-92041/2-A Matrix: Solid

	ond	
Analysia	Potoby	02270

Analysis Batch: 92279							Prep	Batch: 92041
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	974.6		mg/Kg		97	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1135		mg/Kg		113	70 _ 130	
C10-C28)								

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Prep Type: Total/NA

**Client Sample ID: Lab Control Sample** 

# **QC Sample Results**

Client: Crain Environmental Project/Site: Chem State #1 Well

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

Lab Sample ID: LCS 880-92041/2-4	Α									Cli	ent S	Sample	ID: Lab C		
Matrix: Solid														Туре: То	
Analysis Batch: 92279													Prep	Batch:	92041
	LCS	LCS													
Surrogate %	%Recovery	Qual	lifier	Limits											
1-Chlorooctane	112			70 - 130	-										
o-Terphenyl	110			70 _ 130											
1 -h Semple ID: 1 CSD 880_020/1/2	~ A								Cli	-nt G	<b>`~</b> mn		ab Contro	Some	- Dun
Lab Sample ID: LCSD 880-92041/3 Matrix: Solid	3-A								UII	en J	amp	1е пр. с		Type: To	
Analysis Batch: 92279														Batch:	
Allaiysis Daton. 32273				Spike		LCSD	I CSI	n					%Rec	Daton	SZ04 I RPD
Analyte				Added		Result			Unit		D	%Rec	Limits	RPD	Limit
Gasoline Range Organics				1000		1086			mg/Kg			109	70 - 130	11	20
(GRO)-C6-C10													-		
Diesel Range Organics (Over				1000		1297			mg/Kg			130	70 - 130	13	20
C10-C28)															
	LCSD	LCSI	D												
0	%Recovery	Qual	lifier	Limits											
SurrogateX					-										
Surrogate %	126			70 - 130											
				70 <sub>-</sub> 130 70 <sub>-</sub> 130											
1-Chlorooctane o-Terphenyl	126 127														
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A	126 127										С	lient Sa	ample ID:		
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid	126 127										С	lient Sa	Prep 1	Type: To	otal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid	126 127										С	lient Sa	Prep 1		otal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid Analysis Batch: 92281	126 127	MB esult	MB Qualifier		RL		MDL	Unit		D		client Sa	Prep 1	Type: To Batch:	otal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid Analysis Batch: 92281 Analyte Gasoline Range Organics	126 127 A 		Qualifier		<b>RL</b> 50.0		MDL	Unit mg/Kg			Pre		Prep 1 Prep	Type: To Batch: <sup>zed</sup>	otal/NA 92042
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid Analysis Batch: 92281 Analyte Gasoline Range Organics (GRO)-C6-C10	126 127 A 	esult <50.0	Qualifier		50.0		MDL	mg/Kg		(	Pre 09/29/	pared 24 20:34	Prep 7 Prep Analyz 10/01/24	Type: To b Batch: zed 21:43	Dil Fac
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid Analysis Batch: 92281 Analyte Gasoline Range Organics	126 127 A 	esult	Qualifier				MDL			(	Pre 09/29/	pared	Prep 7 Prep Analyz	Type: To b Batch: zed 21:43	Dil Fac
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid Analysis Batch: 92281 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	126 127 A Re <	esult <50.0	<b>Qualifier</b> U U		50.0		MDL	mg/Kg		— — (	<b>Pre</b> 09/29/: 09/29/:	pared 24 20:34	Prep 7 Prep Analyz 10/01/24	Type: To           D Batch:           2ed           21:43           21:43	Dil Fac
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid Analysis Batch: 92281 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	126 127 A Re <	esult <50.0	Qualifier U U		50.0 50.0		MDL	mg/Kg mg/Kg		— — (	<b>Pre</b> 09/29/: 09/29/:	24 20:34 224 20:34	Prep 7 Prep Analyz 10/01/24	Type: To           D Batch:           2ed           21:43           21:43	<b>bil Fac</b> 1
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid Analysis Batch: 92281 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	126 127 • • • • • • •	esult <50.0 <50.0 <50.0 <i>MB</i>	Qualifier U U		50.0 50.0 50.0		MDL	mg/Kg mg/Kg		— — (	Pre 09/29/ 09/29/ 09/29/	24 20:34 224 20:34	Prep 7 Prep Analyz 10/01/24	Type: To D Batch: 21:43 21:43 21:43	<b>bil Fac</b> 1
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid Analysis Batch: 92281 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	126 127 • • • • • • •	esult <50.0 <50.0 <50.0 <i>MB</i>	Qualifier U U U MB	70 - 130	50.0 50.0 50.0		MDL	mg/Kg mg/Kg		— ( (	Pre 09/29/: 09/29/: 09/29/: Pre	24 20:34 24 20:34 24 20:34 24 20:34	Prep 7 Prep 7 Analyz 10/01/24 10/01/24	Type: To           D Batch:           21:43           21:43           21:43           21:43           21:43	<b>Dil Fac</b> 1 1
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid Analysis Batch: 92281 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	126 127 • • • • • • •	esult <50.0 <50.0 <50.0 <i>MB</i> overy	Qualifier U U U MB	70 - 130  	50.0 50.0 50.0		MDL	mg/Kg mg/Kg			Pre 09/29/ 09/29/ 09/29/ Pre 09/29/	pared 24 20:34 24 20:34 24 20:34 24 20:34 pared	Prep 7 Prep 7 Analyz 10/01/24 10/01/24 10/01/24 Analyz	Type: To           D Batch:           21:43           21:43           21:43           21:43           21:43	Dil Fac 1 Dil Fac 1 1 1 1 Dil Fac
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid Analysis Batch: 92281 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	126 127 • • • • • • • • • • • • • • • • • • •	esult <50.0 <50.0 <50.0 MB overy 70	Qualifier U U U MB	70 - 130  	50.0 50.0 50.0 hits 130		MDL	mg/Kg mg/Kg		( ( ( (	Pre 09/29/: 09/29/: 09/29/: <u>Pre</u> 09/29/	24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34	Prep 1 Prep Analyz 10/01/24 10/01/24 10/01/24 10/01/24	Type: To           D Batch:           21:43           21:43           21:43           21:43           21:43	Dil Fac           1           1           1           1           1           1           1           1           1           1
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid Analysis Batch: 92281 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCS 880-92042/2-4	126 127 • • • • • • • • • • • • • • • • • • •	esult <50.0 <50.0 <50.0 MB overy 70	Qualifier U U U MB	70 - 130  	50.0 50.0 50.0 hits 130		MDL	mg/Kg mg/Kg		( ( ( (	Pre 09/29/: 09/29/: 09/29/: <u>Pre</u> 09/29/	24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34	Prep 1 Prep - Analyz 10/01/24 10/01/24 10/01/24 - Analyz 10/01/24 10/01/24	Type: To           D Batch:           21:43           21:43           21:43           21:43           21:43           21:43           21:43           0ntrol S	bil Fac 1 1 1 1 1 1 1 1 1 2 1 2 1 1 2 1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid Analysis Batch: 92281 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCS 880-92042/2-4 Matrix: Solid	126 127 • • • • • • • • • • • • • • • • • • •	esult <50.0 <50.0 <50.0 MB overy 70	Qualifier U U U MB	70 - 130  	50.0 50.0 50.0 hits 130		MDL	mg/Kg mg/Kg		( ( ( (	Pre 09/29/: 09/29/: 09/29/: <u>Pre</u> 09/29/	24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34	Prep 7 Prep 7 10/01/24 10/01/24 10/01/24 10/01/24 10/01/24 10/01/24 10/01/24 10/01/24	Type: To           D Batch:           21:43           21:43           21:43           21:43           21:43           ontrol S           Type: To	bial/NA 92042 Dil Fac 1 1 1 1 <i>Dil Fac</i> 1 1 5 Gample otal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid Analysis Batch: 92281 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCS 880-92042/2-4	126 127 • • • • • • • • • • • • • • • • • • •	esult <50.0 <50.0 <50.0 MB overy 70	Qualifier U U MB	70 - 130	50.0 50.0 50.0 hits 130			mg/Kg mg/Kg		( ( ( (	Pre 09/29/: 09/29/: 09/29/: <u>Pre</u> 09/29/	24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34	Prep 7 Prep 7 Analyz 10/01/24 10/01/24 10/01/24 10/01/24 ID: Lab Co Prep 7 Prep 7	Type: To           D Batch:           21:43           21:43           21:43           21:43           21:43           21:43           21:43           0ntrol S	bial/NA 92042 Dil Fac 1 1 1 1 <i>Dil Fac</i> 1 1 5 Gample otal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid Analysis Batch: 92281 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCS 880-92042/2-A Matrix: Solid Analysis Batch: 92281	126 127 • • • • • • • • • • • • • • • • • • •	esult <50.0 <50.0 <50.0 MB overy 70	Qualifier U U MB	70 - 130    70 -  70 -  Spike	50.0 50.0 50.0 hits 130	LCS	LCS	mg/Kg mg/Kg mg/Kg		( ( ( (	Pre 09/29/ 09/29/ 09/29/ <i>Pre</i> 09/29/ 09/29/	24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 34 34 34 34 34 34 34 34 34 34 34 34 3	Prep 7 Prep 7 Prep 7 10/01/24 10/01/24 10/01/24 10/01/24 ID: Lab C4 Prep 7 Prep 7 %Rec	Type: To           D Batch:           21:43           21:43           21:43           21:43           21:43           ontrol S           Type: To	bial/NA 92042 Dil Fac 1 1 1 1 <i>Dil Fac</i> 1 1 5 Gample otal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid Analysis Batch: 92281 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCS 880-92042/2-A Matrix: Solid Analysis Batch: 92281 Analyte	126 127 • • • • • • • • • • • • • • • • • • •	esult <50.0 <50.0 <50.0 MB overy 70	Qualifier U U MB	70 - 130 	50.0 50.0 50.0 hits 130	LCS Result	LCS Quali	mg/Kg mg/Kg mg/Kg	Unit	( ( ( (	Pre 09/29/ 09/29/ 09/29/ <i>Pre</i> 09/29/ 09/29/	24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 3ample 3ample	Analyz           Analyz           10/01/24           10/01/24           10/01/24           10/01/24           10/01/24           10/01/24           10/01/24           10/01/24           10/01/24           10/01/24           10: Lab Co           Prep 7           %Rec           Limits	Type: To           D Batch:           21:43           21:43           21:43           21:43           21:43           ontrol S           Type: To	bial/NA 92042 Dil Fac 1 1 1 1 <i>Dil Fac</i> 1 1 5 Gample otal/NA
1-Chlorooctane         o-Terphenyl         Lab Sample ID: MB 880-92042/1-A         Matrix: Solid         Analysis Batch: 92281         Analyte         Gasoline Range Organics         (GRO)-C6-C10         Diesel Range Organics (Over         C10-C28)         Oil Range Organics (Over C28-C36)         Surrogate         1-Chlorooctane         o-Terphenyl         Lab Sample ID: LCS 880-92042/2-A         Matrix: Solid         Analysis Batch: 92281         Analyte         Gasoline Range Organics	126 127 • • • • • • • • • • • • • • • • • • •	esult <50.0 <50.0 <50.0 MB overy 70	Qualifier U U MB	70 - 130    70 -  70 -  Spike	50.0 50.0 50.0 hits 130	LCS	LCS Quali	mg/Kg mg/Kg mg/Kg		( ( ( (	Pre 09/29/ 09/29/ 09/29/ <i>Pre</i> 09/29/ 09/29/	24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 34 34 34 34 34 34 34 34 34 34 34 34 3	Prep 7 Prep 7 Prep 7 10/01/24 10/01/24 10/01/24 10/01/24 ID: Lab C4 Prep 7 Prep 7 %Rec	Type: To           D Batch:           21:43           21:43           21:43           21:43           21:43           ontrol S           Type: To	bial/NA 92042 Dil Fac 1 1 1 1 <i>Dil Fac</i> 1 1 5 Gample otal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: MB 880-92042/1-A Matrix: Solid Analysis Batch: 92281 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: LCS 880-92042/2-A Matrix: Solid Analysis Batch: 92281 Analyte	126 127 • • • • • • • • • • • • • • • • • • •	esult <50.0 <50.0 <50.0 MB overy 70	Qualifier U U MB	70 - 130 	50.0 50.0 50.0 hits 130	LCS Result	LCS Qualit *+	mg/Kg mg/Kg mg/Kg	Unit	( ( ( (	Pre 09/29/ 09/29/ 09/29/ <i>Pre</i> 09/29/ 09/29/	24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 24 20:34 3ample 3ample	Analyz           Analyz           10/01/24           10/01/24           10/01/24           10/01/24           10/01/24           10/01/24           10/01/24           10/01/24           10/01/24           10/01/24           10: Lab Co           Prep 7           %Rec           Limits	Type: To           D Batch:           21:43           21:43           21:43           21:43           21:43           ontrol S           Type: To	bial/NA 92042 Dil Fac 1 1 1 1 <i>Dil Fac</i> 1 1 5 Gample otal/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	149	S1+	70 - 130
o-Terphenyl	144	S1+	70 - 130

Eurofins Midland

Job ID: 880-49108-1

SDG: Lea Co., NM

Job ID: 880-49108-1 SDG: Lea Co., NM

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

	)42/3-A					CI	ient Sa	ample	ID: La	ab Contro		
Matrix: Solid											Type: To	
Analysis Batch: 92281										Prep	Batch:	92042
			Spike	LCSD	LCSD					%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	1	0 %R	ec	Limits	RPD	Limit
Gasoline Range Organics			1000	1151		mg/Kg		1	15	70 - 130	14	20
(GRO)-C6-C10												
Diesel Range Organics (Over			1000	1267		mg/Kg		1	27	70 - 130	12	20
C10-C28)												
	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	136	S1+	70 - 130									
o-Terphenyl	131	S1+	70 - 130									
lethod: 300.0 - Anions, lo	on Chromat	ography										
Lab Sample ID: MB 880-92154	/1-A							Clie	nt Sa	mple ID:	Method	Blan
Matrix: Solid										Prep	Type: So	olubl
Analysis Batch: 92241												
		MB MB										
Analyte	Re	esult Qualifier		RL	MDL Unit		D	Prepar	ed	Analy	zed	Dil Fa
Chloride	<	5.00 U		5.00	mg/K	g				10/02/24	05:39	
Lab Sample ID: LCS 880-9215	4/2-A						Clie	nt Sar	nple l	ID: Lab C		
										Fieb	Type: So	olubi
			Spike	LCS	LCS					%Rec	Type. So	oiubi
Analysis Batch: 92241 Analyte			Added	Result	LCS Qualifier	Unit	I	D%R		%Rec Limits	Type. So	
Analysis Batch: 92241 Analyte						Unit mg/Kg	I		ec	%Rec		
Analysis Batch: 92241 Analyte Chloride	 54/3-A		Added	Result		mg/Kg		1	00	%Rec Limits 90 - 110		
Analysis Batch: 92241 Analyte Chloride Lab Sample ID: LCSD 880-921	 54/3-A		Added	Result		mg/Kg		1	00	%Rec Limits 90 - 110		e Duj
Analysis Batch: 92241 Analyte Chloride Lab Sample ID: LCSD 880-921 Matrix: Solid	 54/3-A		Added	Result		mg/Kg		1	00	%Rec Limits 90 - 110		e Duj
Analysis Batch: 92241 Analyte Chloride Lab Sample ID: LCSD 880-921 Matrix: Solid			Added	Result 249.1		mg/Kg		1	00	%Rec Limits 90 - 110		e Duj oluble
Analysis Batch: 92241 Analyte Chloride Lab Sample ID: LCSD 880-921 Matrix: Solid Analysis Batch: 92241	 54/3-A		Added 250	Result 249.1 LCSD	Qualifier	mg/Kg	ient Sa	1	00 ID: La	%Rec Limits 90 - 110 ab Contro Prep		e Duj oluble RPI
Analysis Batch: 92241 Analyte Chloride Lab Sample ID: LCSD 880-921 Matrix: Solid Analysis Batch: 92241 Analyte	 54/3-A		Added 250 Spike	Result 249.1 LCSD	Qualifier	mg/Kg	ient Sa	ample	00 ID: La	%Rec Limits 90 - 110 ab Contro Prep %Rec	ol Sample Type: Se	e Duj oluble RPI Limi
Analysis Batch: 92241 Analyte Chloride Lab Sample ID: LCSD 880-921 Matrix: Solid Analysis Batch: 92241 Analyte			Added 250 Spike Added	Result 249.1 LCSD Result	Qualifier	mg/Kg Cl	ient Sa	ample	00 ID: La ec	%Rec Limits 90 - 110 ab Contro Prep %Rec Limits	ol Sample Type: Se RPD	e Duj oluble RPI Limi
Analysis Batch: 92241 Analyte Chloride Lab Sample ID: LCSD 880-921 Matrix: Solid Analysis Batch: 92241 Analyte Chloride			Added 250 Spike Added	Result 249.1 LCSD Result	Qualifier	mg/Kg Cl	ient Sa	1 ample 0 <u>%R</u> 1	00 ID: La	%Rec Limits 90 - 110 ab Contro Prep %Rec Limits	ol Sample Type: So <u>RPD</u> 0	e Duj oluble RPI Limi 2
Analysis Batch: 92241 Analyte Chloride Lab Sample ID: LCSD 880-921 Matrix: Solid Analysis Batch: 92241 Analyte Chloride Lab Sample ID: 880-49108-11			Added 250 Spike Added	Result 249.1 LCSD Result	Qualifier	mg/Kg Cl	ient Sa	1 ample 0 <u>%R</u> 1	00 ID: La	%Rec Limits 90 - 110 ab Contro Prep %Rec Limits 90 - 110 Sample I	ol Sample Type: So <u>RPD</u> 0	e Duj oluble RPI Limi 2 xpile 2
Analysis Batch: 92241 Analyte Chloride Lab Sample ID: LCSD 880-921 Matrix: Solid Analysis Batch: 92241 Analyte Chloride Lab Sample ID: 880-49108-11 Matrix: Solid			Added 250 Spike Added	Result 249.1 LCSD Result	Qualifier	mg/Kg Cl	ient Sa	1 ample 0 <u>%R</u> 1	00 ID: La	%Rec Limits 90 - 110 ab Contro Prep %Rec Limits 90 - 110 Sample I	DI Sample Type: So <u>RPD</u> 0	e Duj oluble RPI Limi 2 xpile 2
Matrix: Solid Analysis Batch: 92241 Chloride Lab Sample ID: LCSD 880-921 Matrix: Solid Analysis Batch: 92241 Chloride Lab Sample ID: 880-49108-11 Matrix: Solid Analysis Batch: 92241			Added 250 Spike Added	Result 249.1 LCSD Result 250.0	Qualifier	mg/Kg Cl	ient Sa	1 ample 0 <u>%R</u> 1	00 ID: La	%Rec Limits 90 - 110 ab Contro Prep %Rec Limits 90 - 110 Sample I	DI Sample Type: So <u>RPD</u> 0	e Dup oluble RPI Limi 20
Analysis Batch: 92241 Analyte Chloride Lab Sample ID: LCSD 880-921 Matrix: Solid Analysis Batch: 92241 Analyte Chloride Lab Sample ID: 880-49108-11 Matrix: Solid Analysis Batch: 92241	MS Sample	Sample Qualifier	Added 250 Spike Added 250	Result 249.1 LCSD Result 250.0	Qualifier LCSD Qualifier	mg/Kg Cl	ient Sa	1 ample 0 <u>%R</u> 1	00	%Rec Limits 90 - 110 ab Contro Prep %Rec Limits 90 - 110 Sample I Prep	DI Sample Type: So <u>RPD</u> 0	e Dup oluble RPI Limi 20
Analysis Batch: 92241 Analyte Chloride Lab Sample ID: LCSD 880-921 Matrix: Solid Analysis Batch: 92241 Analyte Chloride Lab Sample ID: 880-49108-11 Matrix: Solid Analysis Batch: 92241 Analyte	MS Sample	Qualifier	Added 250 Spike Added 250 Spike	Result 249.1 LCSD Result 250.0	Qualifier LCSD Qualifier MS Qualifier	Unit mg/Kg	ient Sa	1 ample%R	00	%Rec Limits 90 - 110 ab Contro Prep %Rec Limits 90 - 110 Sample I Prep %Rec	DI Sample Type: So <u>RPD</u> 0	e Dup oluble RPI Limi 20
Analysis Batch: 92241 Analyte Chloride Lab Sample ID: LCSD 880-921 Matrix: Solid Analysis Batch: 92241 Analyte Chloride Lab Sample ID: 880-49108-11 Matrix: Solid Analysis Batch: 92241 Analyte Chloride	MS Sample <u>Result</u> 1140	Qualifier	Added 250 Spike Added 250 Spike Added	Result 249.1 LCSD Result 250.0 MS Result	Qualifier LCSD Qualifier MS Qualifier	Unit Unit Unit	ient Sa		ec 10: La ec 00	%Rec           Limits         90 - 110           ab Contro         Prep           %Rec         Limits           90 - 110         Sample I           %Rec         Limits           90 - 110         Sample I           %Rec         Limits           90 - 110         90 - 110	DI Sample Type: So <u>RPD</u> 0 ID: Stock Type: So	e Duj olubi RPI Lim 2 xpile :
Analysis Batch: 92241 Analyte Chloride Lab Sample ID: LCSD 880-921 Matrix: Solid Analysis Batch: 92241 Analyte Chloride Lab Sample ID: 880-49108-11 Matrix: Solid Analyte Chloride Lab Sample ID: 880-49108-11 Matrix: Solid	MS Sample <u>Result</u> 1140	Qualifier	Added 250 Spike Added 250 Spike Added	Result 249.1 LCSD Result 250.0 MS Result	Qualifier LCSD Qualifier MS Qualifier	Unit Unit Unit	ient Sa		ec 10: La ec 00	%Rec Limits 90 - 110 ab Contro Prep %Rec Limits 90 - 110 Sample I %Rec Limits 90 - 110 Sample I	DI Sample Type: So <u>RPD</u> 0 ID: Stock Type: So	e Du olubi RPI Lim 2 spile : olubi
Analysis Batch: 92241 Analyte Chloride Lab Sample ID: LCSD 880-921 Matrix: Solid Analysis Batch: 92241 Analyte Chloride Lab Sample ID: 880-49108-11 Matrix: Solid Analyte Chloride Lab Sample ID: 880-49108-11 Matrix: Solid	MS Sample <u>Result</u> 1140 MSD	Qualifier F1	Added 250 Spike Added 250 Spike Added 1240	Result 249.1 LCSD Result 250.0 MS Result 2540	Qualifier LCSD Qualifier MS Qualifier F1	Unit Unit Unit	ient Sa		ec 10: La ec 00	%Rec Limits 90 - 110 ab Contro Prep %Rec Limits 90 - 110 Sample I Prep %Rec Limits 90 - 110 Sample I Prep	DI Sample Type: So <u>RPD</u> 0 ID: Stock Type: So	e Duy oluble Limi 2 cpile 2 coluble
Analysis Batch: 92241 Analyte Chloride Lab Sample ID: LCSD 880-921 Matrix: Solid Analysis Batch: 92241 Analyte Chloride Lab Sample ID: 880-49108-11 Matrix: Solid	MS Sample <u>Result</u> 1140 MSD Sample	Qualifier F1	Added 250 Spike Added 250 Spike Added	Result 249.1 LCSD Result 250.0 MS Result 2540	Qualifier LCSD Qualifier MS Qualifier	Unit Unit Unit	ient Sa		<u>ec</u> iD: La <u>ec</u> ilient <u>ec</u>	%Rec Limits 90 - 110 ab Contro Prep %Rec Limits 90 - 110 Sample I %Rec Limits 90 - 110 Sample I	DI Sample Type: So <u>RPD</u> 0 ID: Stock Type: So	e Dup oluble RPE Limi 20 coluble

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# **QC Sample Results**

Client: Crain Environmental Project/Site: Chem State #1 Well Job ID: 880-49108-1 SDG: Lea Co., NM

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

Lab Sample ID: MB 880-92145/1-A										Client S	Sample ID:	Method	Blank
Matrix: Solid											Prep	Type: S	oluble
Analysis Batch: 92250													
		MB MB											
Analyte		esult Qualifie	er	RL		MDL	Unit		PP	repared	Analy		Dil Fac
Chloride	<	<5.00 U		5.00		r	ng/Kg				10/03/24	02:51	1
Lab Sample ID: LCS 880-92145/2-A									Client	Sample	e ID: Lab C	ontrol S	ample
Matrix: Solid											Prep	Type: S	oluble
Analysis Batch: 92250													
			Spike		LCS	LCS					%Rec		
Analyte			Added	I	Result	Qualif	ier Unit		D	%Rec	Limits		
Chloride			250		268.1		mg/K	)		107	90 - 110		
Lab Sample ID: LCSD 880-92145/3-	Α						C	Clier	nt Sam	ple ID:	Lab Contro	ol Sampl	le Dur
Matrix: Solid											Prep	Type: S	olubl
Analysis Batch: 92250													
			Spike		LCSD	LCSD					%Rec		RPD
Analyte			Added	I	Result	Qualif	ier Unit		D	%Rec	Limits	RPD	Limi
Chloride			250		264.0		mg/K	9		106	90 - 110	2	20
Lab Sample ID: 880-49108-1 MS										Clie	nt Sample	ID: S-11	(0-4'
Matrix: Solid											Prep	Type: S	oluble
Analysis Batch: 92250													
	Sample	Sample	Spike		MS	MS					%Rec		
Analyte	Result	Qualifier	Added	I	Result	Qualif	ier Unit		D	%Rec	Limits		
Chloride	605	F1	1240		2016	F1	mg/Kg	9		114	90 - 110		
Lab Sample ID: 880-49108-1 MSD										Clie	nt Sample	ID: S-11	(0-4'
Matrix: Solid												Type: S	
Analysis Batch: 92250													
	Sample	Sample	Spike		MSD	MSD					%Rec		RPD
Analyte	Result	Qualifier	Added		Result	Qualif	ier Unit		D	%Rec	Limits	RPD	Limi

Client: Crain Environmental Project/Site: Chem State #1 Well

# Job ID: 880-49108-1 SDG: Lea Co., NM

**GC VOA** 

# Prep Batch: 92116

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-49108-5	S-13 (0-4')	Total/NA	Solid	5035	
880-49108-6	S-13 (4-6')	Total/NA	Solid	5035	
880-49108-7	S-14 (0-4')	Total/NA	Solid	5035	
880-49108-8	S-14 (4-6')	Total/NA	Solid	5035	
880-49108-9	S-15 (6')	Total/NA	Solid	5035	
880-49108-10	Stockpile 1	Total/NA	Solid	5035	
880-49108-11	Stockpile 2	Total/NA	Solid	5035	
880-49108-12	Stockpile 3	Total/NA	Solid	5035	
880-49108-13	Stockpile 4	Total/NA	Solid	5035	
MB 880-92116/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92116/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92116/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49108-5 MS	S-13 (0-4')	Total/NA	Solid	5035	
880-49108-5 MSD	S-13 (0-4')	Total/NA	Solid	5035	
rep Batch: 92118					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49108-1	S-11 (0-4')	Total/NA	Solid	5035	
880-49108-2	S-11 (4-6')	Total/NA	Solid	5035	
880-49108-3	S-12 (0-4')	Total/NA	Solid	5035	
880-49108-4	S-12 (4-6')	Total/NA	Solid	5035	

# Prep Batch: 92118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
880-49108-1	S-11 (0-4')	Total/NA	Solid	5035		
880-49108-2	S-11 (4-6')	Total/NA	Solid	5035		
880-49108-3	S-12 (0-4')	Total/NA	Solid	5035		
880-49108-4	S-12 (4-6')	Total/NA	Solid	5035		
MB 880-92118/5-A	Method Blank	Total/NA	Solid	5035		
LCS 880-92118/1-A	Lab Control Sample	Total/NA	Solid	5035		
LCSD 880-92118/2-A	Lab Control Sample Dup	Total/NA	Solid	5035		

# Analysis Batch: 92214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49108-1	S-11 (0-4')	Total/NA	Solid	8021B	92118
880-49108-2	S-11 (4-6')	Total/NA	Solid	8021B	92118
880-49108-3	S-12 (0-4')	Total/NA	Solid	8021B	92118
880-49108-4	S-12 (4-6')	Total/NA	Solid	8021B	92118
MB 880-92118/5-A	Method Blank	Total/NA	Solid	8021B	92118
LCS 880-92118/1-A	Lab Control Sample	Total/NA	Solid	8021B	92118
LCSD 880-92118/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92118

# Analysis Batch: 92216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49108-5	S-13 (0-4')	Total/NA	Solid	8021B	92116
880-49108-6	S-13 (4-6')	Total/NA	Solid	8021B	92116
880-49108-7	S-14 (0-4')	Total/NA	Solid	8021B	92116
880-49108-8	S-14 (4-6')	Total/NA	Solid	8021B	92116
880-49108-9	S-15 (6')	Total/NA	Solid	8021B	92116
880-49108-10	Stockpile 1	Total/NA	Solid	8021B	92116
880-49108-11	Stockpile 2	Total/NA	Solid	8021B	92116
880-49108-12	Stockpile 3	Total/NA	Solid	8021B	92116
880-49108-13	Stockpile 4	Total/NA	Solid	8021B	92116
MB 880-92116/5-A	Method Blank	Total/NA	Solid	8021B	92116
LCS 880-92116/1-A	Lab Control Sample	Total/NA	Solid	8021B	92116
LCSD 880-92116/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92116
880-49108-5 MS	S-13 (0-4')	Total/NA	Solid	8021B	92116
880-49108-5 MSD	S-13 (0-4')	Total/NA	Solid	8021B	92116

Client: Crain Environmental Project/Site: Chem State #1 Well

Job ID: 880-49108-1 SDG: Lea Co., NM

# **GC VOA**

# Analysis Batch: 92303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49108-1	S-11 (0-4')	Total/NA	Solid	Total BTEX	
880-49108-2	S-11 (4-6')	Total/NA	Solid	Total BTEX	
380-49108-3	S-12 (0-4')	Total/NA	Solid	Total BTEX	
380-49108-4	S-12 (4-6')	Total/NA	Solid	Total BTEX	
880-49108-5	S-13 (0-4')	Total/NA	Solid	Total BTEX	
380-49108-6	S-13 (4-6')	Total/NA	Solid	Total BTEX	
880-49108-7	S-14 (0-4')	Total/NA	Solid	Total BTEX	
380-49108-8	S-14 (4-6')	Total/NA	Solid	Total BTEX	
880-49108-9	S-15 (6')	Total/NA	Solid	Total BTEX	
380-49108-10	Stockpile 1	Total/NA	Solid	Total BTEX	
880-49108-11	Stockpile 2	Total/NA	Solid	Total BTEX	
380-49108-12	Stockpile 3	Total/NA	Solid	Total BTEX	
880-49108-13	Stockpile 4	Total/NA	Solid	Total BTEX	

# GC Semi VOA

# Prep Batch: 92041

880-49108-7	S-14 (0-4')	Total/NA	Solid	Total BTEX	
880-49108-8	S-14 (4-6')	Total/NA	Solid	Total BTEX	
880-49108-9	S-15 (6')	Total/NA	Solid	Total BTEX	
880-49108-10	Stockpile 1	Total/NA	Solid	Total BTEX	
880-49108-11	Stockpile 2	Total/NA	Solid	Total BTEX	
880-49108-12	Stockpile 3	Total/NA	Solid	Total BTEX	
880-49108-13	Stockpile 4	Total/NA	Solid	Total BTEX	
GC Semi VOA					
Prep Batch: 92041	Olicati Comple ID			Mathad	Dran Ratah
Prep Batch: 92041 Lab Sample ID	Client Sample ID S-11 (0-4')	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
Prep Batch: 92041	Client Sample ID S-11 (0-4') S-11 (4-6')	Prep Type Total/NA Total/NA	Matrix Solid Solid	Method 8015NM Prep 8015NM Prep	Prep Batch
Prep Batch: 92041 Lab Sample ID 880-49108-1	S-11 (0-4')	Total/NA	Solid	8015NM Prep	Prep Batch
Prep Batch: 92041 Lab Sample ID 880-49108-1 880-49108-2	S-11 (0-4') S-11 (4-6')	Total/NA Total/NA	Solid Solid	8015NM Prep 8015NM Prep	Prep Batch

# Prep Batch: 92042

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-49108-3	S-12 (0-4')	Total/NA	Solid	8015NM Prep	
880-49108-4	S-12 (4-6')	Total/NA	Solid	8015NM Prep	
880-49108-5	S-13 (0-4')	Total/NA	Solid	8015NM Prep	
880-49108-6	S-13 (4-6')	Total/NA	Solid	8015NM Prep	
880-49108-7	S-14 (0-4')	Total/NA	Solid	8015NM Prep	
880-49108-8	S-14 (4-6')	Total/NA	Solid	8015NM Prep	
880-49108-9	S-15 (6')	Total/NA	Solid	8015NM Prep	
880-49108-10	Stockpile 1	Total/NA	Solid	8015NM Prep	
880-49108-11	Stockpile 2	Total/NA	Solid	8015NM Prep	
880-49108-12	Stockpile 3	Total/NA	Solid	8015NM Prep	
880-49108-13	Stockpile 4	Total/NA	Solid	8015NM Prep	
MB 880-92042/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92042/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92042/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

# Analysis Batch: 92279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49108-1	S-11 (0-4')	Total/NA	Solid	8015B NM	92041
880-49108-2	S-11 (4-6')	Total/NA	Solid	8015B NM	92041
MB 880-92041/1-A	Method Blank	Total/NA	Solid	8015B NM	92041
LCS 880-92041/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92041
LCSD 880-92041/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92041

Client: Crain Environmental Project/Site: Chem State #1 Well

Job ID: 880-49108-1 SDG: Lea Co., NM

# GC Semi VOA

# Analysis Batch: 92281

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-49108-3	S-12 (0-4')	Total/NA	Solid	8015B NM	92042
880-49108-4	S-12 (4-6')	Total/NA	Solid	8015B NM	92042
880-49108-5	S-13 (0-4')	Total/NA	Solid	8015B NM	92042
880-49108-6	S-13 (4-6')	Total/NA	Solid	8015B NM	92042
880-49108-7	S-14 (0-4')	Total/NA	Solid	8015B NM	92042
880-49108-8	S-14 (4-6')	Total/NA	Solid	8015B NM	92042
880-49108-9	S-15 (6')	Total/NA	Solid	8015B NM	92042
880-49108-10	Stockpile 1	Total/NA	Solid	8015B NM	92042
880-49108-11	Stockpile 2	Total/NA	Solid	8015B NM	92042
880-49108-12	Stockpile 3	Total/NA	Solid	8015B NM	92042
880-49108-13	Stockpile 4	Total/NA	Solid	8015B NM	92042
MB 880-92042/1-A	Method Blank	Total/NA	Solid	8015B NM	92042
LCS 880-92042/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92042
LCSD 880-92042/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92042
Analysis Batch: 92413					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-49108-1	S-11 (0-4')	Total/NA	Solid	8015 NM	
880-49108-2	S-11 (4-6')	Total/NA	Solid	8015 NM	
880-49108-3	S-12 (0-4')	Total/NA	Solid	8015 NM	
880-49108-4	S-12 (4-6')	Total/NA	Solid	8015 NM	

# Analysis Batch: 92413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49108-1	S-11 (0-4')	Total/NA	Solid	8015 NM	
880-49108-2	S-11 (4-6')	Total/NA	Solid	8015 NM	
880-49108-3	S-12 (0-4')	Total/NA	Solid	8015 NM	
880-49108-4	S-12 (4-6')	Total/NA	Solid	8015 NM	
880-49108-5	S-13 (0-4')	Total/NA	Solid	8015 NM	
880-49108-6	S-13 (4-6')	Total/NA	Solid	8015 NM	
880-49108-7	S-14 (0-4')	Total/NA	Solid	8015 NM	
880-49108-8	S-14 (4-6')	Total/NA	Solid	8015 NM	
880-49108-9	S-15 (6')	Total/NA	Solid	8015 NM	
880-49108-10	Stockpile 1	Total/NA	Solid	8015 NM	
880-49108-11	Stockpile 2	Total/NA	Solid	8015 NM	
880-49108-12	Stockpile 3	Total/NA	Solid	8015 NM	
880-49108-13	Stockpile 4	Total/NA	Solid	8015 NM	

# HPLC/IC

# Leach Batch: 92145

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-49108-1	S-11 (0-4')	Soluble	Solid	DI Leach	
880-49108-2	S-11 (4-6')	Soluble	Solid	DI Leach	
880-49108-3	S-12 (0-4')	Soluble	Solid	DI Leach	
880-49108-4	S-12 (4-6')	Soluble	Solid	DI Leach	
880-49108-5	S-13 (0-4')	Soluble	Solid	DI Leach	
880-49108-6	S-13 (4-6')	Soluble	Solid	DI Leach	
880-49108-7	S-14 (0-4')	Soluble	Solid	DI Leach	
880-49108-8	S-14 (4-6')	Soluble	Solid	DI Leach	
880-49108-9	S-15 (6')	Soluble	Solid	DI Leach	
880-49108-10	Stockpile 1	Soluble	Solid	DI Leach	
MB 880-92145/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-92145/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-92145/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49108-1 MS	S-11 (0-4')	Soluble	Solid	DI Leach	
880-49108-1 MSD	S-11 (0-4')	Soluble	Solid	DI Leach	

Client: Crain Environmental Project/Site: Chem State #1 Well

# Job ID: 880-49108-1 SDG: Lea Co., NM

HPLC/IC

# Leach Batch: 92154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49108-11	Stockpile 2	Soluble	Solid	DI Leach	
880-49108-12	Stockpile 3	Soluble	Solid	DI Leach	
880-49108-13	Stockpile 4	Soluble	Solid	DI Leach	
MB 880-92154/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-92154/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-92154/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49108-11 MS	Stockpile 2	Soluble	Solid	DI Leach	
880-49108-11 MSD	Stockpile 2	Soluble	Solid	DI Leach	

# Analysis Batch: 92241

each Batch: 92154					
	Client Comple ID	Dren Time	Matrix	Mathad	Dren Datah
Lab Sample ID 880-49108-11	Client Sample ID Stockpile 2	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
880-49108-12	Stockpile 2	Soluble	Solid	DI Leach	
880-49108-13	Stockpile 4	Soluble	Solid	DI Leach	
MB 880-92154/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-92154/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-92154/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49108-11 MS	Stockpile 2	Soluble	Solid	DI Leach	
880-49108-11 MSD	Stockpile 2	Soluble	Solid	DI Leach	
nalysis Batch: 92241					
				<b></b>	
Lab Sample ID 880-49108-11	Client Sample ID Stockpile 2	Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 92154
	Stockpile 2	Ooluble	Oolid		
	Stocknile 3	Soluble	Solid	300.0	92154
380-49108-12	Stockpile 3 Stockpile 4	Soluble	Solid Solid	300.0 300.0	92154 92154
880-49108-12 880-49108-13	Stockpile 4	Soluble	Solid	300.0	92154
880-49108-12 880-49108-13 MB 880-92154/1-A					
880-49108-12 880-49108-13 MB 880-92154/1-A LCS 880-92154/2-A	Stockpile 4 Method Blank	Soluble Soluble	Solid Solid	300.0 300.0	92154 92154
880-49108-12 880-49108-13 MB 880-92154/1-A LCS 880-92154/2-A LCSD 880-92154/3-A 880-49108-11 MS	Stockpile 4 Method Blank Lab Control Sample	Soluble Soluble Soluble	Solid Solid Solid	300.0 300.0 300.0	92154 92154 92154

#### Analysis Batch: 92250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49108-1	S-11 (0-4')	Soluble	Solid	300.0	92145
880-49108-2	S-11 (4-6')	Soluble	Solid	300.0	92145
880-49108-3	S-12 (0-4')	Soluble	Solid	300.0	92145
880-49108-4	S-12 (4-6')	Soluble	Solid	300.0	92145
880-49108-5	S-13 (0-4')	Soluble	Solid	300.0	92145
880-49108-6	S-13 (4-6')	Soluble	Solid	300.0	92145
880-49108-7	S-14 (0-4')	Soluble	Solid	300.0	92145
880-49108-8	S-14 (4-6')	Soluble	Solid	300.0	92145
880-49108-9	S-15 (6')	Soluble	Solid	300.0	92145
880-49108-10	Stockpile 1	Soluble	Solid	300.0	92145
MB 880-92145/1-A	Method Blank	Soluble	Solid	300.0	92145
LCS 880-92145/2-A	Lab Control Sample	Soluble	Solid	300.0	92145
LCSD 880-92145/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	92145
880-49108-1 MS	S-11 (0-4')	Soluble	Solid	300.0	92145
880-49108-1 MSD	S-11 (0-4')	Soluble	Solid	300.0	92145

Job ID: 880-49108-1 SDG: Lea Co., NM

# Lab Sample ID: 880-49108-1 Matrix: Solid

Date Collected: 09/26/24 09:25 Date Received: 09/27/24 13:45

Client: Crain Environmental

Project/Site: Chem State #1 Well

Client Sample ID: S-11 (0-4')

	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	92118	09/30/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92214	10/01/24 20:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92303	10/01/24 20:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			92413	10/02/24 03:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92041	09/29/24 20:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92279	10/02/24 03:40	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92145	09/30/24 12:52	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92250	10/03/24 04:40	СН	EET MID

# Lab Sample ID: 880-49108-2

Lab Sample ID: 880-49108-3

Lab Sample ID: 880-49108-4

Matrix: Solid

Matrix: Solid

5 6

9

Date Collected: 09/26/24 09:30 Date Received: 09/27/24 13:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	92118	09/30/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92214	10/01/24 20:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92303	10/01/24 20:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			92413	10/02/24 03:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92041	09/29/24 20:31	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92279	10/02/24 03:55	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92145	09/30/24 12:52	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92250	10/03/24 04:59	СН	EET MID

# Client Sample ID: S-12 (0-4') Date Collected: 09/26/24 09:35

## Date Received: 09/27/24 13:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	92118	09/30/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92214	10/01/24 20:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92303	10/01/24 20:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			92413	10/01/24 23:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	92042	09/29/24 20:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92281	10/01/24 23:12	TKC	EET MID
Soluble	Leach	DI Leach			5.40 g	50 mL	92145	09/30/24 12:52	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	92250	10/03/24 05:05	СН	EET MID

# Client Sample ID: S-12 (4-6') Date Collected: 09/26/24 09:40 Date Received: 09/27/24 13:45

	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	92118	09/30/24 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92214	10/01/24 21:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92303	10/01/24 21:04	SM	EET MID

**Eurofins Midland** 

Matrix: Solid

Job ID: 880-49108-1 SDG: Lea Co., NM

# Lab Sample ID: 880-49108-4 Matrix: Solid

Lab Sample ID: 880-49108-5

Lab Sample ID: 880-49108-6

Lab Sample ID: 880-49108-7

Date Collected: 09/26/24 09:40 Date Received: 09/27/24 13:45

Client: Crain Environmental

Project/Site: Chem State #1 Well

Client Sample ID: S-12 (4-6')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			92413	10/01/24 23:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92042	09/29/24 20:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92281	10/01/24 23:26	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	92145	09/30/24 12:52	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92250	10/03/24 05:24	СН	EET MID

# Client Sample ID: S-13 (0-4') Date Collected: 09/26/24 09:45 Date Received: 09/27/24 13:45

	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	92116	09/30/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92216	10/01/24 11:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92303	10/01/24 11:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			92413	10/01/24 23:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	92042	09/29/24 20:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92281	10/01/24 23:43	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92145	09/30/24 12:52	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92250	10/03/24 05:31	СН	EET MID

# Client Sample ID: S-13 (4-6')

Date Collected: 09/26/24 09:50 Date Received: 09/27/24 13:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	92116	09/30/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92216	10/01/24 12:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92303	10/01/24 12:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			92413	10/01/24 23:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92042	09/29/24 20:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92281	10/01/24 23:57	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92145	09/30/24 12:52	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	92250	10/03/24 05:37	CH	EET MID

# Client Sample ID: S-14 (0-4') Date Collected: 09/26/24 09:55 Date Received: 09/27/24 13:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	92116	09/30/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92216	10/01/24 12:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92303	10/01/24 12:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			92413	10/02/24 00:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92042	09/29/24 20:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92281	10/02/24 00:11	TKC	EET MID

Eurofins Midland

Matrix: Solid

Matrix: Solid

Matrix: Solid
#### Lab Chronicle

Job ID: 880-49108-1 SDG: Lea Co., NM

#### Lab Sample ID: 880-49108-7 Matrix: Solid

Lab Sample ID: 880-49108-8

Lab Sample ID: 880-49108-9

Date Collected: 09/26/24 09:55 Date Received: 09/27/24 13:45

Project/Site: Chem State #1 Well

Client Sample ID: S-14 (0-4')

Client: Crain Environmental

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	92145	09/30/24 12:52	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92250	10/03/24 11:32	СН	EET MID

#### Client Sample ID: S-14 (4-6') Date Collected: 09/26/24 10:00

Date Received: 09/27/24 13:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	92116	09/30/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92216	10/01/24 12:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92303	10/01/24 12:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			92413	10/02/24 00:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92042	09/29/24 20:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92281	10/02/24 00:27	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92145	09/30/24 12:52	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92250	10/03/24 05:45	СН	EET MID

#### Client Sample ID: S-15 (6') Date Collected: 09/26/24 10:05 Date Received: 09/27/24 13:45

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	92116	09/30/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92216	10/01/24 13:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92303	10/01/24 13:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			92413	10/02/24 00:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92042	09/29/24 20:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92281	10/02/24 00:41	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	92145	09/30/24 12:52	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92250	10/03/24 05:51	СН	EET MID

#### **Client Sample ID: Stockpile 1** Date Collected: 09/26/24 09:00 Date Received: 09/27/24 13:45

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Batch Dil Initial Final Batch Batch Prepared Method Run Factor Amount Amount Number or Analyzed Analyst Туре Lab 5035 Prep 4.97 g 5 mL 92116 09/30/24 10:59 MNR EET MID Analysis 8021B 1 5 mL 5 mL 92216 10/01/24 13:39 MNR EET MID Total BTEX 10/01/24 13:39 SM Analysis 92303 EET MID 1 Analysis 8015 NM 1 92413 10/02/24 00:58 SM EET MID Prep 10.02 g 92042 8015NM Prep 10.00 mL 09/29/24 20:34 EL EET MID Analysis 8015B NM 1 1 uL 1 uL 92281 10/02/24 00:58 TKC EET MID

4.97 g

50 mL

1

50 ml

50 mL

92145

92250

09/30/24 12:52

10/03/24 05:58

### Lab Sample ID: 880-49108-10

SA

СН

Matrix: Solid

**Eurofins Midland** 

EET MID

EET MID

Matrix: Solid

Matrix: Solid

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Released to Imaging: 4/25/2025 3:04:33 PM

Leach

Analysis

DI Leach

300.0

Initial

Amount

4.97 g

5 mL

10.01 g

1 uL

5.04 g

50 mL

Final

Amount

5 mL

5 mL

10.00 mL

1 uL

50 mL

50 mL

Batch

92116

92216

92303

92413

92042

92281

92154

92241

Number

Dil

1

1

1

1

5

Factor

Run

Client: Crain Environmental Project/Site: Chem State #1 Well

#### Client Sample ID: Stockpile 2 Date Collected: 09/26/24 09:05 Date Received: 09/27/24 13:45

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Job ID: 880-49108-1 SDG: Lea Co., NM

### Lab Sample ID: 880-49108-11

Analyst

MNR

MNR

SM

SM

FL

TKC

SA

СН

Prepared

or Analyzed

09/30/24 10:59

10/01/24 14:00

10/01/24 14:00

10/02/24 01:12

09/29/24 20:34

10/02/24 01:12

09/30/24 13:18

10/02/24 05:55

Matrix: Solid

Lab

EET MID

EET MID

EET MID

EET MID

EET MID

EET MID

FFT MID

EET MID

Matrix: Solid

#### Lab Sample ID: 880-49108-12 Matrix: Solid

Lab Sample ID: 880-49108-13

#### Date Collected: 09/26/24 09:10 Date Received: 09/27/24 13:45

**Client Sample ID: Stockpile 3** 

	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	92116	09/30/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92216	10/01/24 14:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92303	10/01/24 14:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			92413	10/02/24 01:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	92042	09/29/24 20:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92281	10/02/24 01:42	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92154	09/30/24 13:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92241	10/02/24 06:11	СН	EET MID

#### **Client Sample ID: Stockpile 4** Date Collected: 09/26/24 09:15

#### Date Received: 09/27/24 13:45

	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	92116	09/30/24 10:59	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92216	10/01/24 14:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92303	10/01/24 14:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			92413	10/02/24 01:56	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92042	09/29/24 20:34	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92281	10/02/24 01:56	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	92154	09/30/24 13:18	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	92241	10/02/24 06:17	CH	EET MID

#### Laboratory References:

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

Job ID: 880-49108-1 SDG: Lea Co., NM

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#### Laboratory: Eurofins Midland

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

uthority	Progra	am	Identification Number	Expiration Date
exas	NELAF	כ	T104704400	06-30-25
The following analyter	are included in this report bu	t the laboratory is not certif	fied by the governing authority. This list	may include analytes
for which the agency of	loes not offer certification.	-		
for which the agency of Analysis Method		Matrix	Analyte	
for which the agency of	loes not offer certification.	-		

Eurofins Midland

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#### **Method Summary**

Client: Crain Environmental Project/Site: Chem State #1 Well Job ID: 880-49108-1 SDG: Lea Co., NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
	STM International		
	Environmental Protection Agency		
	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edi	ion, November 1986 And Its Updates.	
TAL SOP	= TestAmerica Laboratories, Standard Operating Procedure		
Laboratory R	eferences: = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		
	, , , , , <u>, , , , , , , , , , , , , , </u>		

#### Laboratory References:

Eurofins Midland

Released to Imaging: 4/25/2025 3:04:33 PM

### Sample Summary

Job ID: 880-49108-1
SDG: Lea Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
380-49108-1	S-11 (0-4')	Solid	09/26/24 09:25	09/27/24 13:45	0-4'
880-49108-2	S-11 (4-6')	Solid	09/26/24 09:30	09/27/24 13:45	4-6'
380-49108-3	S-12 (0-4')	Solid	09/26/24 09:35	09/27/24 13:45	0-4'
380-49108-4	S-12 (4-6')	Solid	09/26/24 09:40	09/27/24 13:45	4-6'
880-49108-5	S-13 (0-4')	Solid	09/26/24 09:45	09/27/24 13:45	0-4'
880-49108-6	S-13 (4-6')	Solid	09/26/24 09:50	09/27/24 13:45	4-6'
380-49108-7	S-14 (0-4')	Solid	09/26/24 09:55	09/27/24 13:45	0-4'
380-49108-8	S-14 (4-6')	Solid	09/26/24 10:00	09/27/24 13:45	4-6'
380-49108-9	S-15 (6')	Solid	09/26/24 10:05	09/27/24 13:45	6'
880-49108-10	Stockpile 1	Solid	09/26/24 09:00	09/27/24 13:45	
880-49108-11	Stockpile 2	Solid	09/26/24 09:05	09/27/24 13:45	
880-49108-12	Stockpile 3	Solid	09/26/24 09:10	09/27/24 13:45	
880-49108-13	Stockpile 4	Solid	09/26/24 09:15	09/27/24 13:45	

of Custody	nts	s RRC Superfund		r 🗌 TRRP 🗍 Level IV	Other:	Preservative Codes	: NO DI Water: H <sub>2</sub> O	Cool MeOH: Me	HNO 3: HN		NaHSO 4: NABIS	Na 25 203: NaSO 3	Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC	Sample Comments										1 U V Zn 0 /7471		Date/Time		
880-49108 Chain of Custody	Work Order Comments	m: UST/PST PRP Brownfields RRC	oject: N/N	Reporting: Level II 🗌 Level III 🗍 PST/UST	Deliverables: EDD ADaPT		None: NO	Cool: Cool	HCL: HC	4H : 04 H	NaHSO	Na <sub>2</sub> S <sub>3</sub>	Zn Ac	NaOH											o Ni K Se Ag SiO <sub>2</sub> Na Sr Tl Sn U Hg: 1631/245.1/7470	tiated.	Received by: (Signature)		
<b>Chain of Custody</b> Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Chris Cradolin	Ortane O Program:	lall 54. 300	X 79701	a gmail. con Delive	ANALYSIS REQUEST								A	49	XX									Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K CRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	actors. It assigns standard te es are due to circumstances b se terms will be enforced unk	Date/Time Relinquished by: (Signature)	Buy RYS2	Q
Cha Houston, TX (28 Midland, TX (432) EL Paso, TX (915 Hobbs, NM (575	Bill to: (if different)	Company Name:	Address:	City, State ZIP:	Cindy. Crain	n Around	Rush Code		TAT starts the day received by the lab, if received by 4:30pm	1	ieme	and	Y Y		Depth Grab/ # of Comp Cont	0-4' C 1	4-6' 1 1	0-4.			4-6	4-10	10.	* *	exas 11 010 : 8R(	rder from client company to Eurofin oonsibility for any losses or expense 5 for each sample submitted to Eur		up/s	-
IS Environment Testing Xenco	inat Crain	5	U	Jalessa, 78 79761	441-72	Then State #1 Well Tur	<b>K</b> Rout	a Co. NM Due Date:	y Clain	Term Rlank: Vec No. Wet Ice.	Thermometer	C	Yes No N/A Temperature Reading:	Corrected Temperature:	Matrix	5 9222 0925		0935	07-60	560	0960	CC40	1005	V V 0900	8RCR.	Notce: Signature of this document and relinquishment of samples constitutes a valid purchase order from of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility of Service. Among Amorgan of Second Second Be applied to each protect and a charge of Se for each	ature) Received by: (Signature)		
🎲 eurofins	Project Manager:	2		s ZIP:	Phone: (575)	Project Name:	Project Number:	Project Location: Lea	Sampler's Name:	SAMPI F RECEIPT	Samples Received Intact:	Cooler Custody Seals:	Sample Custody Seals:	Total Containers:	Sample Identification	5-11 (0-4.)	5-11 74-6.)	5-12 (0-4)	4	10.4	1-6 6-0	(.4.0 4-0.	1.	2.	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	Notice: Signature of this document an of service. Eurofins Xenco will be liabl if Eurofins Xenco. A minimum charge	Relipouished by Bignature)	" ( into lain	S

10/3/2024

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4 5 6

U9106		Brownfields RC Superfund		PST/UST TRRP Level IV	Other:	Preservative Codes	: NO DI Water: H <sub>2</sub> O	Cool MeOH: Me		4: H 2 NaOH: Na	H3PO 4: HP		Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC	Sample Comments						1 U V Zn 0 / 7471		Date/Time		
Work Order No:		Program: UST/PST PRP Brownfield	oject: NM	Reporting: Level II 🗌 Level III 🗍 PST/USI	Deliverables: EDD ADaPT		None: NO	Cool: Cool	HCL:HC	H <sub>2</sub> S0 4: H <sub>2</sub>		S CN	Zn Ac	NaOH							Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Tl Sn Tl U Hg: 1631/245.1/7470	nditions control sky negotiated.	Received by: (Signature)		
Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Preis Pradul		121 Str. 300	10797 XT 101	Antil.con	ANALYSIS REQUEST							59	Nia XI 8 1	190 18 141			× *			A 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K TCLP/SPLP6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U	Note: Signature of this document and relinquichment of samples constituties a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and coviditoris for service. Eurofins Xenco will be lise only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if auch losses are due to circumstances beyond the control of Eurofins Xenco. A minimum diage of \$55.00 will be applied to each project and a charge of \$5 for each and a charge of \$5 for each and a charge of \$5 for each and a charge of \$50 for each project and a charge of \$50 for each and a charge of \$50 for each and a charge of \$50 for each and be submitted to Eurofins Xenco. A minimum diage of \$55.00 will be enforced unless previously regordated.	Date/Time Relinquished by: (Signature)	2 STR. J MP	10
	Rill to: (if different)	Company Name		e ZIP:	Email: Cindy. Crain @	Turn Around	KRoutine Rush Code	Due Date:	TAT starts the day received by	T	Wet Ice: Yes No	0	ling:	mperature:	Time Depth Grab/ # of Sampled Comp Cont	1	010 - 11	V V - 5160			8RCRA 13PPM Texas 11 AI Sb A TCLP/SPLP 6010 : 8RCRA Sb	lid purchase order from client company to Eurofins ssume any responsibility for any losses or expenses d a charge of \$5 for each sample submitted to Euro	Received by: (Signature)	d kal	
Ofins Environment Testing Xenco	Pinder Pain	151		101955 XX 79761	1)-70	Chen State #1 Well		Lea Co. NM	Circly Casin		Temp Blank: Yes No	VIC NO KIN	Yes No	)	Matrix	S	-	4 4 4			200.8 / 6020: Ad Metal(s) to be analyzed	bocument and relinquishment of samples constitutes a value of the lable only for the cost of samples and shall not a mum hange of SSS.00 will be applied to be project same	by Bignature) Received by	Jair A	
🐝 eurofins	Project Manader	Company Name:	Address:	City, State ZIP:	Phone:	Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	SAMPLE RECEIPT	Samples Received Intact:	Cooler Custody Seals: Sample Custody Seals:	Total Containers:	Sample Identification	Shekoik	Shekeile	Shripite			Total 200.7 / 6010 Circle Method(s) ar	Notice: Signature of this ( of service. Eurofins Xenc of Eurofins Xenco. A mini	Relipquished by (bignature)	(ing)	5

Job Number: 880-49108-1 SDG Number: Lea Co., NM

List Source: Eurofins Midland

#### Login Sample Receipt Checklist

Client: Crain Environmental

#### Login Number: 49108 List Number: 1

Creator: Rodriguez, Leticia

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	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Received by OCD: 3/26/2025 8:20:29 PM



**Environment Testing** 

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Cindy Crain Crain Environmental 2925 E. 17th St. Odessa, Texas 79761 Generated 11/25/2024 12:50:11 PM Revision 1

## JOB DESCRIPTION

Chem State #1 Lea Co. NM

## **JOB NUMBER**

880-50851-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

See page two for job notes and contact information



## **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

AMER

Generated 11/25/2024 12:50:11 PM Revision 1

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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**Qualifier Description** 

Client: Crain Environmental
Project/Site: Chem State #1

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sary		1					
	Job ID: 880-50851-1 SDG: Lea Co. NM	2					
		3					
		4					
		5					
		6					
		7					
n this report.		8					
a dry weight basis		9					
		10					
		11					
als/anion analysis of the sample		12					
		13					
		14					

### Qualifiers

GC Semi VOA Qualifier

Qualifier	Quaimer Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.
HPLC/IC	
Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¢	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

**Eurofins Midland** 

Released to Imaging: 4/25/2025 3:04:33 PM

#### Job ID: 880-50851-1

#### **Eurofins Midland**

Job ID: 880-50851-1

Job Narrative 880-50851-1

#### **REVISION**

The report being provided is a revision of the original report sent on 11/19/2024. The report (revision 1) is being revised due to Per client email samples 013-016 are for Chem State #4.

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 gualifiers 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 11/8/2024 1:35 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 3.2°C.

#### **Diesel Range Organics**

Method 8015MOD\_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-95276/2-A). Percent recoveries are based on the amount spiked.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-95276/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The continuing calibration verification (CCV) associated with batch 880-95595 exhibited % difference of > 20% for the following analyte(s)o-Terphenyl. These results are within the acceptance limits but exceed the performance criteria.

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

#### HPLC/IC

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

**Eurofins Midland** 

Job ID: 880-50851-1 SDG: Lea Co. NM

## Lab Sample ID: 880-50851-1

Matrix: Solid

5

Client Sample ID: S-1 (7') Date Collected: 11/04/24 10:00 Date Received: 11/08/24 13:35 Sample Depth: 7'

**Client: Crain Environmental** 

Project/Site: Chem State #1

Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	1380		49.7		mg/Kg			11/13/24 22:14	
Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.7	U	49.7		mg/Kg		11/12/24 13:03	11/13/24 22:14	
(GRO)-C6-C10									
Diesel Range Organics (Over	1380		49.7		mg/Kg		11/12/24 13:03	11/13/24 22:14	
C10-C28) Oil Range Organics (Over C28-C36)	<49.7		49.7		mg/Kg		11/12/24 13:03	11/13/24 22.14	
On Mange Organics (Over 020-030)	\$45.7	0	45.7		iiig/itg		11/12/24 13:03	11/13/24 22.14	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	87		70 - 130				11/12/24 13:03	11/13/24 22:14	
o-Terphenyl	75		70 - 130				11/12/24 13:03	11/13/24 22:14	
Method: EPA 300.0 - Anions,	lon Chromat	tography	Solubla						
Analyte		Qualifier	RL	мы	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	255	Quanner	9.92		mg/Kg			11/09/24 00:54	
	200		0.02		iiig/itg			11/00/24 00:04	
Client Sample ID: S-11 (0-	-4')					L	.ab Sample	e ID: 880-50	)851-2
Date Collected: 11/04/24 10:05							-	Matrix	c: Solic
Date Received: 11/08/24 13:35									
Sample Depth: 0-4'									
Method: SW846 8015 NM - Di		-				_			
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	517		49.8		mg/Kg			11/12/24 20:46	1
Method: SW846 8015B NM - D	Jiesel Range	Organico							
Analyte		Qualifier	RL	мрі	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.8		49.8		mg/Kg		11/08/24 14:17	11/12/24 20:46	
(GRO)-C6-C10	1010	0	1010						
Diesel Range Organics (Over	517		49.8		mg/Kg		11/08/24 14:17	11/12/24 20:46	
C10-C28)									
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/08/24 14:17	11/12/24 20:46	
Surrogate	%Recovery	Qualifier	Limits				Proporad	Analyzod	Dil Fa
1-Chlorooctane	88	Quaimer	70 - 130				Prepared 11/08/24 14:17	Analyzed 11/12/24 20:46	DIIFa
o-Terphenyl	84		70 - 130 70 - 130					11/12/24 20:46	
	04		70 - 750				11/00/24 14.17	11/12/24 20.40	
Method: EPA 300.0 - Anions,	Ion Chroma	tography -	- Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	1620		49.8		mg/Kg			11/09/24 01:01	5
- 	71)						- h O l -		054 (
Client Sample ID: S-11 (4-	·(`)					L	ab Sample	e ID: 880-50	
Date Collected: 11/04/24 10:10								Matrix	c: Solic
Date Received: 11/08/24 13:35									
Sample Depth: 4-7'									
		_							
-	ocol Panao (	Organice /							
Method: SW846 8015 NM - Di		-		MDI	Unit	Р	Droparod	Analyzod	
		Organics ( Qualifier	(DRO) (GC) <u>RL</u> 49.8	MDL	Unit mg/Kg	D	Prepared	Analyzed	Dil Fa

Eurofins Midland

RL

49.8

49.8

49.8

Limits

70 - 130

70 - 130

MDL Unit

mg/Kg

mg/Kg

mg/Kg

D

Prepared

Prepared

. . . . . . . .

Dil Fac

1

1

1

1

1

Dil Fac

Matrix: Solid

Job ID: 880-50851-1 SDG: Lea Co. NM

#### Client Sample ID: S-11 (4-7') Date Collected: 11/04/24 10:10 Date Received: 11/08/24 13:35

#### Lab Sample ID: 880-50851-3 Matrix: Solid

11/08/24 14:17 11/12/24 21:17

11/08/24 14:17 11/12/24 21:17

11/08/24 14:17 11/12/24 21:17

11/08/24 14:17 11/12/24 21:17

11/08/24 14:17 11/12/24 21:17

Analyzed

Analyzed

Analyzad

Lab Sample ID: 880-50851-4

5

Method: EPA 300.0 - Anions,	, Ion Chromatography - Solul	ble
Analyte	Result Qualifier	RL

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

Result Qualifier

<49.8 U

1280

<49.8 U

%Recovery Qualifier

91

90

Analyte	Result	Quaimer		WIDL	Unit	U	Flepaleu	Analyzeu	DIFAC
Chloride	3810		99.4		mg/Kg			11/09/24 01:16	10

#### Client Sample ID: S-12 (0-4') Date Collected: 11/04/24 10:15 Date Received: 11/08/24 13:35 Sample Depth: 0-4'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/12/24 21:32	1
Method: SW846 8015B NM - I	Diesel Range	e Organics	(DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/08/24 14:17	11/12/24 21:32	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/08/24 14:17	11/12/24 21:32	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/08/24 14:17	11/12/24 21:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				11/08/24 14:17	11/12/24 21:32	1
							11/00/01 11.17	11/12/24 21:32	1
o-Terphenyl Method: EPA 300.0 - Anions,								11/12/24 21.32	
Method: EPA 300.0 - Anions, Analyte	Ion Chromat Result	t <mark>ography</mark> - Qualifier	Soluble	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: EPA 300.0 - Anions, Analyte	Ion Chromat		Soluble	MDL	Unit mg/Kg	D			Dil Fac
, ,	Ion Chromat Result 765		Soluble	MDL			Prepared	Analyzed	Dil Fac
Method: EPA 300.0 - Anions, Analyte Chloride	Ion Chromat Result 765 -7')		Soluble	MDL			Prepared	Analyzed 11/09/24 01:34 2 ID: 880-50	Dil Fac
Method: EPA 300.0 - Anions, Analyte Chloride Client Sample ID: S-12 (4- vate Collected: 11/04/24 10:15 vate Received: 11/08/24 13:35	Ion Chromat Result 765 -7')	Qualifier	Soluble <u>RL</u> 9.92	MDL			Prepared	Analyzed 11/09/24 01:34 2 ID: 880-50	Dil Fac 1 851-5
Method: EPA 300.0 - Anions, Analyte Chloride Client Sample ID: S-12 (4- vate Collected: 11/04/24 10:15 vate Received: 11/08/24 13:35 ample Depth: 4-7'	Ion Chromat Result 765 -7') esel Range (	Qualifier	Soluble <u>RL</u> 9.92	MDL	mg/Kg		Prepared	Analyzed 11/09/24 01:34 2 ID: 880-50	Dil Fac 1 851-5 :: Solid
Method: EPA 300.0 - Anions, Analyte Chloride Client Sample ID: S-12 (4 Pate Collected: 11/04/24 10:15 Pate Received: 11/08/24 13:35 ample Depth: 4-7' Method: SW846 8015 NM - Di	Ion Chromat Result 765 -7') esel Range (	Qualifier Organics (	• Soluble 		mg/Kg	L	Prepared	Analyzed 11/09/24 01:34 D: 880-50 Matrix	Dil Fac 1 851-5 : Solid
Method: EPA 300.0 - Anions, Analyte Chloride Client Sample ID: S-12 (4 Pate Collected: 11/04/24 10:15 Pate Received: 11/08/24 13:35 ample Depth: 4-7' Method: SW846 8015 NM - Di Analyte	Ion Chromat Result 765 -7') esel Range ( Result 788	Qualifier Organics ( Qualifier	<b>Soluble</b> <b>RL</b> 9.92 (DRO) (GC) <b>RL</b> 50.0		mg/Kg	L	Prepared	Analyzed 11/09/24 01:34 D: 880-50 Matrix Analyzed	Dil Fac
Method: EPA 300.0 - Anions, Analyte Chloride Client Sample ID: S-12 (4 ate Collected: 11/04/24 10:15 ate Received: 11/08/24 13:35 ample Depth: 4-7' Method: SW846 8015 NM - Di Analyte Total TPH	Ion Chromat Result 765 -7') esel Range ( Result 788 Diesel Range	Qualifier Organics ( Qualifier Organics Qualifier	<b>Soluble</b> <b>RL</b> 9.92 (DRO) (GC) <b>RL</b> 50.0	MDL	mg/Kg	L	Prepared	Analyzed 11/09/24 01:34 D: 880-50 Matrix Analyzed	Dil Fac 1 851-5 : Solid Dil Fac

**Eurofins Midland** 

**Client: Crain Environmental** Project/Site: Chem State #1

Sample Depth: 4-7'

Gasoline Range Organics

**Diesel Range Organics (Over** 

Oil Range Organics (Over C28-C36)

Analyte

C10-C28)

Surrogate

o-Terphenyl

1-Chlorooctane

(GRO)-C6-C10

(GRO)-C6-C10

### **Client Sample Results**

RL

50.0

50.0

RL 9.94

Limits

70 - 130

70 - 130

MDL Unit

MDL Unit

mg/Kg

mg/Kg

mg/Kg

D

D

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

788

<50.0 U

%Recovery Qualifier

79

93

602

**Result Qualifier** 

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

**Result Qualifier** 

**Client: Crain Environmental** Project/Site: Chem State #1

**Diesel Range Organics (Over** 

Oil Range Organics (Over C28-C36)

Client Sample ID: S-13 (0-4')

Date Collected: 11/04/24 10:20

Sample Depth: 4-7'

Analyte

C10-C28)

Surrogate

o-Terphenyl

Analyte

Chloride

1-Chlorooctane

#### Client Sample ID: S-12 (4-7') Date Collected: 11/04/24 10:15 Date Received: 11/08/24 13:35

Lab	Sample	ID:	880-50851-5

Lab Sample ID: 880-50851-7

Job ID: 880-50851-1

SDG: Lea Co. NM

Matrix: Solid

5

D	Prepared	Analyzed	Dil Fac									
_	11/08/24 14:17	11/12/24 21:48	1									
	11/08/24 14:17	11/12/24 21:48	1									
	Prepared	Analyzed	Dil Fac									
	11/08/24 14:17	11/12/24 21:48	1									
	11/08/24 14:17	11/12/24 21:48	1									
D	Prepared	Analyzed	Dil Fac									
_		11/09/24 01:41	1									
L	Lab Sample ID: 880-50851-6											

Page 124 of 249

Matrix: Solid

Date Received: 11/08/24 13:35 Sample Depth: 0-4'

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)											_
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Total TPH	402		49.9		mg/Kg			11/12/24 22:03	1	
	Method: SW846 8015B NM - Die	esel Range	e Organics (I	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		11/08/24 14:17	11/12/24 22:03	1
Diesel Range Organics (Over C10-C28)	402		49.9		mg/Kg		11/08/24 14:17	11/12/24 22:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/08/24 14:17	11/12/24 22:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				11/08/24 14:17	11/12/24 22:03	1
o-Terphenyl	86		70 - 130				11/08/24 14:17	11/12/24 22:03	1

Method: EPA 300.0 - Anions, Ion C	Chroma	tography - S	oluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	911		49.8		mg/Kg			11/09/24 01:47	5

#### Client Sample ID: S-13 (4-7') Date Collected: 11/04/24 10:25 Date Received: 11/08/24 13:35 Sample Depth: 4-7'

Method: SW846 8015 NM - Die Analyte	-	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/12/24 22:18	1
_ Method: SW846 8015B NM - D	iesel Range	• Organics (	DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	<b>Result</b> <49.8		<b>RL</b> 49.8	MDL	Unit mg/Kg	D	Prepared 11/08/24 14:17	Analyzed 11/12/24 22:18	Dil Fac
				MDL		<u> </u>			Dil Fac 1

**Eurofins Midland** 

Matrix: Solid

### **Client Sample Results**

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

Client: Crain Environmental Project/Site: Chem State #1

#### Client Sample ID: S-13 (4-7') Date Collected: 11/04/24 10:25 Date Received: 11/08/24 13:35 Sample Depth: 4-7'

### Job ID: 880-50851-1 SDG: Lea Co. NM

Lab Sample ID: 880-50851-7 Matrix: Solid

3

Wethou. 30040 0013D NW - L	nesei Kange	; Organic:		(Contin	iueuj				
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/08/24 14:17	11/12/24 22:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				11/08/24 14:17	11/12/24 22:18	1
o-Terphenyl	99		70 - 130				11/08/24 14:17	11/12/24 22:18	1
Method: EPA 300.0 - Anions,	Ion Chromat	tography	- Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	791		9.90		mg/Kg			11/09/24 01:53	1
Client Sample ID: S-14 (0-	4')					L	ab Sample	D: 880-50	851-8
Date Collected: 11/04/24 10:30 Date Received: 11/08/24 13:35 Sample Depth: 0-4'								Matrix	: Solid
Method: SW846 8015 NM - Die	-	-							
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/12/24 22:32	1
Method: SW846 8015B NM - D	)iesel Range	• Organic	s (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		11/08/24 14:17	11/12/24 22:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/08/24 14:17	11/12/24 22:32	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/08/24 14:17	11/12/24 22:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				11/08/24 14:17	11/12/24 22:32	1
o-Terphenyl	83		70 - 130				11/08/24 14:17	11/12/24 22:32	1
Method: EPA 300.0 - Anions, I	Ion Chroma	tography	- Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	650		10.0		mg/Kg			11/09/24 02:11	1
Client Sample ID: S-2 (0-1 Date Collected: 11/04/24 10:35 Date Received: 11/08/24 13:35 Sample Depth: 0-1.8'	.8')					L	ab Sample	e ID: 880-50 Matrix	9851-9 :: Solid
Method: SW846 8015 NM - Die		-				_	<b>_</b> .		
Analyte Total TPH	Result <50.0	Qualifier	RL	MDL	Unit mg/Kg	D	Prepared	Analyzed 11/12/24 22:47	Dil Fac
Method: SW846 8015B NM - D Analyte	Diesel Range Result	Qualifier	s (DRO) (GC) RL	MDL		D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0		50.0		mg/Kg		11/08/24 14:17	11/12/24 22:47	1
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		11/08/24 14:17	11/12/24 22:47	1

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1

11/08/24 14:17 11/12/24 22:47

Oil Range Organics (Over C28-C36)

C10-C28)

50.0

mg/Kg

<50.0 U

**Client: Crain Environmental** 

Client	Samp	le Res	sults
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Job ID: 880-50851-1 SDG: Lea Co. NM

lient Comple ID: 0.0 (0.4	0'\						ah Caral		
Lient Sample ID: S-2 (0-1 ate Collected: 11/04/24 10:35 ate Received: 11/08/24 13:35 ample Depth: 0-1.8'	.8')						ab Sample	e ID: 880-50 Matrix	
· ·									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	89		70 - 130				11/08/24 14:17	11/12/24 22:47	
o-Terphenyl	83		70 - 130				11/08/24 14:17	11/12/24 22:47	
Method: EPA 300.0 - Anions,   Analyte		t <mark>ography</mark> - Qualifier	Soluble RL	MDI	Unit	D	Bronorod	Applyrod	Dil Fa
Chloride	<u>364</u>	Quaimer	10.1		mg/Kg		Prepared	Analyzed 11/09/24 02:17	
lient Sample ID: S-18 (1.	8')					la	h Samnle	ID: 880-508	251_1
ate Collected: 11/04/24 10:50 ate Received: 11/08/24 13:35 ample Depth: 1.8'								Matrix	
lethod: SW846 8015 NM - Die						_	<b>_</b> .		
Analyte		Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fa
otal TPH	<49.9	U	49.9		mg/Kg			11/12/24 23:01	
lethod: SW846 8015B NM - D	-	-				_	<b>_</b> .		
nalyte		Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil F
asoline Range Organics GRO)-C6-C10	<49.9	0	49.9		mg/Kg		11/08/24 14:17	11/12/24 23:01	
iesel Range Organics (Over :10-C28)	<49.9	U	49.9		mg/Kg		11/08/24 14:17	11/12/24 23:01	
il Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/08/24 14:17	11/12/24 23:01	
urrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil F
-Chlorooctane	87		70 - 130				11/08/24 14:17	11/12/24 23:01	
-Terphenyl	81		70 - 130				11/08/24 14:17	11/12/24 23:01	
lethod: EPA 300.0 - Anions,	Ion Chroma	tography -	Soluble						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil F
hloride	141		9.96		mg/Kg			11/09/24 02:24	
ient Sample ID: S-32 (2. te Collected: 11/04/24 11:05 te Received: 11/08/24 13:35 mple Depth: 0-2.5'	5')					La	ab Sample	ID: 880-508 Matrix	
Nethod: SW846 8015 NM - Die		-		MD	11	_	Durand	American	
<b>Nnalyte</b> otal TPH	Result <49.8	Qualifier		MDL	Unit mg/Kg	D	Prepared	Analyzed 11/12/24 23:17	Dil F
					mg/Kg			11/12/24 23.17	
lethod: SW846 8015B NM - D nalyte		e Organics Qualifier	s (DRO) (GC) RL	мпі	Unit	D	Prepared	Analyzed	Dil F
•	<49.8		49.8		mg/Kg			11/12/24 23:17	
asoline Range Organics	40.0								
GRO)-C6-C10		11	49.8		mg/Kg		11/08/24 14:17	11/12/24 23:17	
GRO)-C6-C10 iesel Range Organics (Over	<49.8	0							
GRO)-C6-C10 iesel Range Organics (Over :10-C28)	<49.8 <49.8		49.8		mg/Kg		11/08/24 14:17	11/12/24 23:17	
GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Dil Range Organics (Over C28-C36)		U	49.8 <b>Limits</b>		mg/Kg		11/08/24 14:17 Prepared	11/12/24 23:17 Analyzed	_Dil F
Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Dil Range Organics (Over C28-C36) Surrogate	<49.8	U			mg/Kg		Prepared		Dil F

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11/25/2024 (Rev. 1)

		Client	t Sample R	esul	ts				
Client: Crain Environmental Project/Site: Chem State #1			-					Job ID: 880-5 SDG: Lea	
Client Sample ID: S-32 (2. Date Collected: 11/04/24 11:05 Date Received: 11/08/24 13:35 Sample Depth: 0-2.5'	5')					La	ab Sample	ID: 880-508 Matrix	3 <b>51-11</b> (: Solid
Method: EPA 300.0 - Anions,	Ion Chroma	tography	- Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.5		9.94		mg/Kg			11/09/24 02:30	1
Date Received: 11/08/24 13:35 Sample Depth: 0-2.5' - Method: SW846 8015 NM - Die	esel Range (	Organics	(DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/12/24 23:31	1
 Method: SW846 8015B NM - D	)iesel Range	• Organic	s (DRO) (GC)						
Analyte	-	Qualifier	RL	MDL	Unit	D	Prepared	Analyzad	Dil Fac
						_		Analyzed	
<b>a a</b>	<49.8	U	49.8		mg/Kg	=	11/08/24 14:17	11/12/24 23:31	
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.8 <49.8		49.8 49.8		mg/Kg mg/Kg				1
(GRO)-C6-C10 Diesel Range Organics (Over		U			0 0		11/08/24 14:17	11/12/24 23:31	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	<49.8 <49.8	U U	49.8		mg/Kg		11/08/24 14:17	11/12/24 23:31 11/12/24 23:31	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.8 <49.8	U U	49.8 49.8		mg/Kg		11/08/24 14:17 11/08/24 14:17	11/12/24 23:31         11/12/24 23:31         11/12/24 23:31         11/12/24 23:31	1 1 
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	<49.8 <49.8 <b>%Recovery</b>	U U	49.8 49.8 <i>Limits</i>		mg/Kg	=	11/08/24 14:17 11/08/24 14:17 <b>Prepared</b> 11/08/24 14:17	11/12/24 23:31 11/12/24 23:31 11/12/24 23:31 11/12/24 23:31 Analyzed	1 1 1 
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<49.8 <49.8 <b>%Recovery</b> 88 83	U U <b>Qualifier</b>	49.8 49.8 <u>Limits</u> 70 - 130 70 - 130		mg/Kg		11/08/24 14:17 11/08/24 14:17 <b>Prepared</b> 11/08/24 14:17	11/12/24 23:31         11/12/24 23:31         11/12/24 23:31         11/12/24 23:31 <b>Analyzed</b> 11/12/24 23:31	Dil Pad 1 1 1 1 <i>Dil Fad</i> 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.8 <49.8 <u>%Recovery</u> 88 83 Ion Chromat	U U <b>Qualifier</b>	49.8 49.8 <u>Limits</u> 70 - 130 70 - 130	MDL	mg/Kg mg/Kg	 D	11/08/24 14:17 11/08/24 14:17 <b>Prepared</b> 11/08/24 14:17	11/12/24 23:31         11/12/24 23:31         11/12/24 23:31         11/12/24 23:31 <b>Analyzed</b> 11/12/24 23:31	1 1 1 

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

Matrix: Solid

			Pe	rcent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		5
880-50851-1	S-1 (7')	87	75		
880-50851-2	S-11 (0-4')	88	84		6
880-50851-3	S-11 (4-7')	91	90		
880-50851-4	S-12 (0-4')	93	89		
880-50851-5	S-12 (4-7')	79	93		
880-50851-6	S-13 (0-4')	86	86		8
880-50851-7	S-13 (4-7')	104	99		
880-50851-8	S-14 (0-4')	89	83		Q
880-50851-9	S-2 (0-1.8')	89	83		
880-50851-10	S-18 (1.8')	87	81		
880-50851-11	S-32 (2.5')	95	88		
880-50851-12	S-34 (2.5')	88	83		
LCS 880-95276/2-A	Lab Control Sample	155 S1+	134 S1+		
LCS 880-95542/2-A	Lab Control Sample	100	87		
LCSD 880-95276/3-A	Lab Control Sample Dup	146 S1+	127		
LCSD 880-95542/3-A	Lab Control Sample Dup	99	86		
MB 880-95276/1-A	Method Blank	93	89		13
MB 880-95542/1-A	Method Blank	106	85		
Surrogate Legend					
1CO = 1-Chlorooctane	1				

OTPH = o-Terphenyl

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Prep Type: Total/NA

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### **QC Sample Results**

Client: Crain Environmental Project/Site: Chem State #1

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

Lab Sample ID: MB 880-95 Matrix: Solid Analysis Batch: 95559	276/1-A										Clie		ole ID: M Prep Ty Prep E	pe: To	otal/NA
Analysis Baton: 00000		MB	МВ										i i cp L	, acom.	00210
Analyte	Re		Qualifier		RL		мпі	Unit		D	P	repared	Analyz	red	Dil Fac
Gasoline Range Organics		50.0			50.0			mg/Kg		_		8/24 14:17	-		1
(GRO)-C6-C10		.00.0	0		50.0			ing/ite	9		11/00	0/24 14.17	11/12/24	10.10	'
Diesel Range Organics (Over	<	50.0	U		50.0			mg/Kg	3		11/08	8/24 14:17	11/12/24	10:10	1
C10-C28)								0.	,						
Oil Range Organics (Over C28-C36	) <	50.0	U		50.0			mg/Kg	9		11/08	8/24 14:17	11/12/24	10:10	1
0	<b>6</b> ( <b>D</b> )	MB									-				D'/ 5
Surrogate	%Reco	•	Qualifier									repared	Analyz		Dil Fac
1-Chlorooctane		93		70 - 1									11/12/24		1
o-Terphenyl		89		70 - 1	130						11/0	8/24 14:17	11/12/24	10:10	1
Lab Sample ID: LCS 880-98 Matrix: Solid Analysis Batch: 95559	5276/2-A			Spike		LCS				ent	: Sar		Lab Cor Prep Ty Prep E %Rec	pe: To	otal/NA
Analyte				Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
Gasoline Range Organics				1000		1147			mg/Kg			115	70 - 130		
(GRO)-C6-C10															
Diesel Range Organics (Over				1000		1067			mg/Kg			107	70 - 130		
C10-C28)															
	LCS	LCS	5												
Surrogate	%Recovery			Limits											
1-Chlorooctane				70 - 130											
o-Terphenyl		S1+		70 - 130											
	101	0,		10-100											
Lab Sample ID: LCSD 880-	95276/3-A							С	lient S	an	elar	ID: Lab	Control	Samp	le Dup
Matrix: Solid													Prep Ty		
Analysis Batch: 95559													Prep E	-	
Analysis Baten. 00000				Spike		LCSD	1.05	n a					%Rec	, acom.	RPD
Analyte				Added		Result			Unit		D	%Rec	Limits	RPD	
Gasoline Range Organics				1000		1108	Que		mg/Kg			111	70 - 130	3	
(GRO)-C6-C10				1000		1100			mg/ng				70-150	5	20
Diesel Range Organics (Over				1000		999.2			mg/Kg			100	70 - 130	7	20
C10-C28)						000.2									
,															
	LCSD														
Surrogate	%Recovery			Limits											
1-Chlorooctane	146	S1+	•	70 - 130											
o-Terphenyl	127			70 - 130											
Lab Sample ID: MB 880-95 Matrix: Solid Analysis Batch: 95595	542/1-A										Clie		ole ID: M Prep Ty Prep E	pe: To	otal/NA
	_		MB							-	_	-			
	D.		Qualifier		RL		MOL	Unit		D	Pr	repared	Analyz	red	
· · · · · · · · · · · · · · · · · · ·			-							_		•			
Analyte Gasoline Range Organics		50.0	-		50.0	. <u> </u>		mg/Kg	]	_		•	11/13/24		Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<	50.0	U		50.0			mg/Kę	-	-	11/12	2/24 13:02	11/13/24	19:33	1
Gasoline Range Organics	<		U						-	_	11/12	2/24 13:02		19:33	

1

11/12/24 13:02 11/13/24 19:33

Oil Range Organics (Over C28-C36)

50.0

mg/Kg

<50.0 U

Job ID: 880-50851-1 SDG: Lea Co. NM

### **QC Sample Results**

Client: Crain Environmental Project/Site: Chem State #1

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

Lab Sample ID: MB 880-9	95542/1-A						Clie	ent Samp	ole ID: Me	thod I	Blank
Matrix: Solid									Prep Typ	e: Tot	tal/NA
Analysis Batch: 95595									Prep Ba	atch: 9	95542
		MB MB									
Surrogate	%Reco	very Qualifier	Limits				P	repared	Analyze	ed	Dil Fac
1-Chlorooctane		106	70 - 130				11/1	2/24 13:02	11/13/24 1	9:33	1
o-Terphenyl		85	70 - 130				11/1	2/24 13:02	11/13/24 1	9:33	1
Lab Sample ID: LCS 880-	-95542/2-A					Clier	nt Sar	nple ID:	Lab Cont	rol Sa	ample
Matrix: Solid									Prep Typ		
Analysis Batch: 95595									Prep Ba		
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	969.0		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	778.1		mg/Kg		78	70 - 130		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	87		70 - 130								
									Control C		_
Lab Sample ID: LCSD 88	0-95542/3-A				C	lient Sa	mple	ID: Lab	Control 3	ample	e Dup
-	0-95542/3-A				C	Client Sa	mple				
Lab Sample ID: LCSD 88 Matrix: Solid Analysis Batch: 95595	0-95542/3-A				C	Client Sa	mple		Prep Typ Prep Ba	e: Tot	tal/NA
-	0-95542/3-A		Spike	LCSD	LCSD	lient Sa	mple		Ргер Тур	e: Tot	al/NA 95542
Matrix: Solid Analysis Batch: 95595	0-95542/3-A		Spike Added	-		Client Sai	mple D		Prep Typ Prep Ba	e: Tot	tal/NA 95542 RPD
Matrix: Solid Analysis Batch: 95595 Analyte Gasoline Range Organics	0-95542/3-A _		•	-	LCSD		Ì		Prep Typ Prep Ba %Rec	e: Tot atch: 9	tal/NA 95542 RPD Limit
Matrix: Solid Analysis Batch: 95595 Analyte Gasoline Range Organics (GRO)-C6-C10	0-95542/3-A _		Added	Result	LCSD	Unit	Ì	%Rec	Prep Typ Prep Ba %Rec Limits	e: Tot atch: 9 RPD	tal/NA 95542 RPD Limit 20
Matrix: Solid Analysis Batch: 95595 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	0-95542/3-A _		Added	<b>Result</b> 969.6	LCSD	Unit mg/Kg	Ì	<u>%Rec</u>	Prep Typ Prep Ba %Rec Limits 70 - 130	e: Tot atch: 9 <u>RPD</u> 0	tal/NA 95542 RPD
Matrix: Solid Analysis Batch: 95595 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	0-95542/3-A		Added	<b>Result</b> 969.6	LCSD	Unit mg/Kg	Ì	<u>%Rec</u>	Prep Typ Prep Ba %Rec Limits 70 - 130	e: Tot atch: 9 <u>RPD</u> 0	tal/NA 95542 RPD Limit 20
Matrix: Solid Analysis Batch: 95595 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	LCSD %Recovery		Added	<b>Result</b> 969.6	LCSD	Unit mg/Kg	Ì	<u>%Rec</u>	Prep Typ Prep Ba %Rec Limits 70 - 130	e: Tot atch: 9 <u>RPD</u> 0	tal/NA 95542 RPD Limit 20
Matrix: Solid			Added	<b>Result</b> 969.6	LCSD	Unit mg/Kg	Ì	<u>%Rec</u>	Prep Typ Prep Ba %Rec Limits 70 - 130	e: Tot atch: 9 <u>RPD</u> 0	tal/NA 95542 RPD Limit 20

Lab Sample ID: MB 880-95277/1-A Matrix: Solid Analysis Batch: 95293									Clie	ent Sam	ple ID: Method Prep Type: \$	
	MB	МВ										
Analyte	Result	Qualifier		RL	I	MDL	Unit	D	Р	repared	Analyzed	Dil Fac
Chloride	<10.0	U		10.0			mg/Kg	J			11/08/24 21:43	1
Lab Sample ID: LCS 880-95277/2-A Matrix: Solid Analysis Batch: 95293								Clien	t Sa	mple ID:	Lab Control S Prep Type: S	
Analysis Baton. 30200			Spike		LCS	LCS	5				%Rec	
Analyte			Added		Result	Qua	lifier	Unit	D	%Rec	Limits	
Chloride			250		267.3			mg/Kg		107	90 - 110	

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Job ID: 880-50851-1 SDG: Lea Co. NM

### **QC Sample Results**

Client: Crain Environmental Project/Site: Chem State #1

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

Lab Sample ID: LCSD 880	)-95277/3-A					c	lient San	nple	ID: Lab	o Control	Sample	e Dup
Matrix: Solid								÷		Prep Ty		
Analysis Batch: 95293											•	
-			Spike	LC	CSD L	CSD				%Rec		RPD
Analyte			Added	Re	sult C	ualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	2	71.1		mg/Kg		108	90 - 110	1	20
Lab Sample ID: MB 880-9	5290/1-A							Clie	ent Sam	nple ID: Mo	ethod	Blank
Matrix: Solid										Prep Ty	/pe: So	oluble
Analysis Batch: 95294												
-		MB MB										
Analyte	Re	esult Qualifier		RL	ME	DL Unit	D	Р	repared	Analyz	ed	Dil Fac
Chloride	<	10.0 U		10.0		mg/K	g			11/09/24	00:58	1
Lab Sample ID: LCS 880-	95290/2-A						Client	Sai	nple ID	: Lab Con	trol Sa	mple
Matrix: Solid										Prep Ty	/pe: So	oluble
Analysis Batch: 95294											-	
-			Spike	1	LCS L	CS				%Rec		
Analyte			Added	Re	sult C	ualifier	Unit	D	%Rec	Limits		
Chloride			250	23	38.9		mg/Kg		96	90 - 110		
Lab Sample ID: LCSD 880	)-95290/3-A					c	lient San	nple	ID: Lab	o Control	Sample	e Dup
Matrix: Solid										Prep Ty	/pe: So	oluble
Analysis Batch: 95294												
-			Spike	LC	CSD L	CSD				%Rec		RPD
Analyte			Added	Re	sult C	ualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	23	39.8		mg/Kg		96	90 - 110	0	20
												20
Lab Sample ID: 880-50851	1-3 MS								Client	Sample ID	): S-11	
Lab Sample ID: 880-50851 Matrix: Solid	1-3 MS								Client	Sample ID Prep Ty		(4-7')
	1-3 MS								Client			(4-7')
Matrix: Solid		Sample	Spike		MS M	IS			Client			(4-7')
Matrix: Solid	Sample	Sample Qualifier	Spike Added	Re		IS Qualifier	Unit	D	Client %	Prep Ty		(4-7')
Matrix: Solid Analysis Batch: 95294	Sample	-	•				Unit mg/Kg	_ <u>D</u>		Prep Ty %Rec		(4-7')
Matrix: Solid Analysis Batch: 95294 Analyte	Sample Result 3810	-	Added		sult C			<u>D</u>	<b>%Rec</b> 102	Prep Ty %Rec Limits	/pe: So 	(4-7') bluble
Matrix: Solid Analysis Batch: 95294 Analyte Chloride	Sample Result 3810	-	Added		sult C			_ <u>D</u>	<b>%Rec</b> 102	Prep Ty %Rec Limits 90 - 110	/pe: So  D: S-11	(4-7') bluble (4-7')
Matrix: Solid Analysis Batch: 95294 Analyte Chloride Lab Sample ID: 880-5085	Sample Result 3810	-	Added		sult C			_ <u>D</u>	<b>%Rec</b> 102	Prep Ty %Rec Limits 90 - 110 Sample IE	/pe: So  D: S-11	(4-7') bluble (4-7')
Matrix: Solid Analysis Batch: 95294 Analyte Chloride Lab Sample ID: 880-50857 Matrix: Solid	Sample Result 3810	-	Added	6	sult C	Qualifier		_ <u>D</u>	<b>%Rec</b> 102	Prep Ty %Rec Limits 90 - 110 Sample IE	/pe: So  D: S-11	(4-7') bluble (4-7')
Matrix: Solid Analysis Batch: 95294 Analyte Chloride Lab Sample ID: 880-50857 Matrix: Solid	Sample Result 3810 1-3 MSD Sample	Qualifier	Added 2490	6	sult <u>C</u> 347 <u>C</u> 1347 N	Qualifier		D	<b>%Rec</b> 102	Prep Ty %Rec Limits 90 - 110 Sample IE Prep Ty	/pe: So  D: S-11	(4-7') bluble (4-7') bluble

### **QC Association Summary**

**Client: Crain Environmental** Project/Site: Chem State #1

### GC Semi VOA

#### Prep Batch: 95276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50851-2	S-11 (0-4')	Total/NA	Solid	8015NM Prep	
880-50851-3	S-11 (4-7')	Total/NA	Solid	8015NM Prep	
880-50851-4	S-12 (0-4')	Total/NA	Solid	8015NM Prep	
880-50851-5	S-12 (4-7')	Total/NA	Solid	8015NM Prep	
880-50851-6	S-13 (0-4')	Total/NA	Solid	8015NM Prep	
880-50851-7	S-13 (4-7')	Total/NA	Solid	8015NM Prep	
880-50851-8	S-14 (0-4')	Total/NA	Solid	8015NM Prep	
880-50851-9	S-2 (0-1.8')	Total/NA	Solid	8015NM Prep	
880-50851-10	S-18 (1.8')	Total/NA	Solid	8015NM Prep	
880-50851-11	S-32 (2.5')	Total/NA	Solid	8015NM Prep	
880-50851-12	S-34 (2.5')	Total/NA	Solid	8015NM Prep	
MB 880-95276/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-95276/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-95276/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

#### Prep Batch: 95542

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method Prep	Batch	
880-50851-1	S-1 (7')	Total/NA	Solid	8015NM Prep		
MB 880-95542/1-A	Method Blank	Total/NA	Solid	8015NM Prep		
LCS 880-95542/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep		
LCSD 880-95542/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep		

#### Analysis Batch: 95559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50851-2	S-11 (0-4')	Total/NA	Solid	8015B NM	95276
880-50851-3	S-11 (4-7')	Total/NA	Solid	8015B NM	95276
880-50851-4	S-12 (0-4')	Total/NA	Solid	8015B NM	95276
880-50851-5	S-12 (4-7')	Total/NA	Solid	8015B NM	95276
880-50851-6	S-13 (0-4')	Total/NA	Solid	8015B NM	95276
880-50851-7	S-13 (4-7')	Total/NA	Solid	8015B NM	95276
880-50851-8	S-14 (0-4')	Total/NA	Solid	8015B NM	95276
880-50851-9	S-2 (0-1.8')	Total/NA	Solid	8015B NM	95276
880-50851-10	S-18 (1.8')	Total/NA	Solid	8015B NM	95276
880-50851-11	S-32 (2.5')	Total/NA	Solid	8015B NM	95276
880-50851-12	S-34 (2.5')	Total/NA	Solid	8015B NM	95276
MB 880-95276/1-A	Method Blank	Total/NA	Solid	8015B NM	95276
LCS 880-95276/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	95276
LCSD 880-95276/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	95276

#### Analysis Batch: 95595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50851-1	S-1 (7')	Total/NA	Solid	8015B NM	95542
MB 880-95542/1-A	Method Blank	Total/NA	Solid	8015B NM	95542
LCS 880-95542/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	95542
LCSD 880-95542/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	95542

#### Analysis Batch: 95605

Lab Sample ID 880-50851-1	Client Sample ID S-1 (7')	Prep Type Total/NA	Matrix Solid	Method 8015 NM	Prep Batch
880-50851-2	S-11 (0-4')	Total/NA	Solid	8015 NM	
880-50851-3	S-11 (4-7')	Total/NA	Solid	8015 NM	

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Job ID: 880-50851-1 SDG: Lea Co. NM

### **QC Association Summary**

Client: Crain Environmental Project/Site: Chem State #1

#### GC Semi VOA (Continued)

#### Analysis Batch: 95605 (Continued)

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-50851-4	S-12 (0-4')	Total/NA	Solid	8015 NM	
880-50851-5	S-12 (4-7')	Total/NA	Solid	8015 NM	
880-50851-6	S-13 (0-4')	Total/NA	Solid	8015 NM	
880-50851-7	S-13 (4-7')	Total/NA	Solid	8015 NM	
880-50851-8	S-14 (0-4')	Total/NA	Solid	8015 NM	
880-50851-9	S-2 (0-1.8')	Total/NA	Solid	8015 NM	
880-50851-10	S-18 (1.8')	Total/NA	Solid	8015 NM	
880-50851-11	S-32 (2.5')	Total/NA	Solid	8015 NM	
880-50851-12	S-34 (2.5')	Total/NA	Solid	8015 NM	

#### HPLC/IC

Leach Batch: 95277

Lab Sample ID 880-50851-1	Client Sample ID S-1 (7')	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
880-50851-2	S-11 (0-4')	Soluble	Solid	DI Leach	
MB 880-95277/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-95277/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-95277/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

#### Leach Batch: 95290

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-50851-3	S-11 (4-7')	Soluble	Solid	DI Leach	
880-50851-4	S-12 (0-4')	Soluble	Solid	DI Leach	
880-50851-5	S-12 (4-7')	Soluble	Solid	DI Leach	
880-50851-6	S-13 (0-4')	Soluble	Solid	DI Leach	
880-50851-7	S-13 (4-7')	Soluble	Solid	DI Leach	
880-50851-8	S-14 (0-4')	Soluble	Solid	DI Leach	
880-50851-9	S-2 (0-1.8')	Soluble	Solid	DI Leach	
880-50851-10	S-18 (1.8')	Soluble	Solid	DI Leach	
880-50851-11	S-32 (2.5')	Soluble	Solid	DI Leach	
880-50851-12	S-34 (2.5')	Soluble	Solid	DI Leach	
MB 880-95290/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-95290/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-95290/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-50851-3 MS	S-11 (4-7')	Soluble	Solid	DI Leach	
880-50851-3 MSD	S-11 (4-7')	Soluble	Solid	DI Leach	

#### Analysis Batch: 95293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50851-1	S-1 (7')	Soluble	Solid	300.0	95277
880-50851-2	S-11 (0-4')	Soluble	Solid	300.0	95277
MB 880-95277/1-A	Method Blank	Soluble	Solid	300.0	95277
LCS 880-95277/2-A	Lab Control Sample	Soluble	Solid	300.0	95277
LCSD 880-95277/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	95277

#### Analysis Batch: 95294

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-50851-3	S-11 (4-7')	Soluble	Solid	300.0	95290
880-50851-4	S-12 (0-4')	Soluble	Solid	300.0	95290
880-50851-5	S-12 (4-7')	Soluble	Solid	300.0	95290

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#### Job ID: 880-50851-1 SDG: Lea Co. NM

### **QC Association Summary**

Client: Crain Environmental Project/Site: Chem State #1

### HPLC/IC (Continued)

#### Analysis Batch: 95294 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50851-6	S-13 (0-4')	Soluble	Solid	300.0	95290
880-50851-7	S-13 (4-7')	Soluble	Solid	300.0	95290
880-50851-8	S-14 (0-4')	Soluble	Solid	300.0	95290
880-50851-9	S-2 (0-1.8')	Soluble	Solid	300.0	95290
880-50851-10	S-18 (1.8')	Soluble	Solid	300.0	95290
880-50851-11	S-32 (2.5')	Soluble	Solid	300.0	95290
880-50851-12	S-34 (2.5')	Soluble	Solid	300.0	95290
MB 880-95290/1-A	Method Blank	Soluble	Solid	300.0	95290
LCS 880-95290/2-A	Lab Control Sample	Soluble	Solid	300.0	95290
LCSD 880-95290/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	95290
880-50851-3 MS	S-11 (4-7')	Soluble	Solid	300.0	95290
880-50851-3 MSD	S-11 (4-7')	Soluble	Solid	300.0	95290

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#### Client Sample ID: S-1 (7') Date Collected: 11/04/24 10:00 Date Received: 11/08/24 13:35

Batch

Batch

Job ID: 880-50851-1 SDG: Lea Co. NM

#### Lab Sample ID: 880-50851-1 Matrix: Solid

Prepared

Batch

Final

Matrix: Solid

Matrix: Solid

#### Method Number or Analyzed Prep Type Туре Run Factor Amount Amount Analyst Lab Total/NA 8015 NM 95605 11/13/24 22:14 SM EET MID Analysis 1 Total/NA Prep 8015NM Prep 10.06 g 10 mL 95542 11/12/24 13:03 EL EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 95595 11/13/24 22:14 TKC EET MID 1 50 mL 95277 11/08/24 14:21 SA Soluble Leach DI Leach 5.04 g EET MID Soluble Analysis 300.0 50 mL 50 mL 95293 11/09/24 00:54 CH EET MID 1 Lab Sample ID: 880-50851-2

Initial

Dil

#### Client Sample ID: S-11 (0-4') Date Collected: 11/04/24 10:05 Date Received: 11/08/24 13:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			95605	11/12/24 20:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	95276	11/08/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	95559	11/12/24 20:46	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	95277	11/08/24 14:21	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	95293	11/09/24 01:01	СН	EET MID

#### Client Sample ID: S-11 (4-7') Date Collected: 11/04/24 10:10 Date Received: 11/08/24 13:35

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			95605	11/12/24 21:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	95276	11/08/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	95559	11/12/24 21:17	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	95290	11/08/24 14:51	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	95294	11/09/24 01:16	СН	EET MID

#### Client Sample ID: S-12 (0-4') Date Collected: 11/04/24 10:15 Date Received: 11/08/24 13:35

### Lab Sample ID: 880-50851-4 Matrix: Solid

Lab Sample ID: 880-50851-5

Lab Sample ID: 880-50851-3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			95605	11/12/24 21:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	95276	11/08/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	95559	11/12/24 21:32	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	95290	11/08/24 14:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	95294	11/09/24 01:34	СН	EET MID

#### Client Sample ID: S-12 (4-7') Date Collected: 11/04/24 10:15 Date Received: 11/08/24 13:35

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			95605	11/12/24 21:48	SM	EET MID

**Eurofins Midland** 

Matrix: Solid

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#### Client Sample ID: S-12 (4-7') Date Collected: 11/04/24 10:15 Date Received: 11/08/24 13:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	95276	11/08/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	95559	11/12/24 21:48	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	95290	11/08/24 14:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	95294	11/09/24 01:41	СН	EET MID

#### Client Sample ID: S-13 (0-4') Date Collected: 11/04/24 10:20 Date Received: 11/08/24 13:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			95605	11/12/24 22:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	95276	11/08/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	95559	11/12/24 22:03	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	95290	11/08/24 14:51	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	95294	11/09/24 01:47	СН	EET MID

#### Client Sample ID: S-13 (4-7') Date Collected: 11/04/24 10:25 Date Received: 11/08/24 13:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			95605	11/12/24 22:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	95276	11/08/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	95559	11/12/24 22:18	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	95290	11/08/24 14:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	95294	11/09/24 01:53	СН	EET MID

#### Client Sample ID: S-14 (0-4') Date Collected: 11/04/24 10:30 Date Received: 11/08/24 13:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			95605	11/12/24 22:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	95276	11/08/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	95559	11/12/24 22:32	ткс	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	95290	11/08/24 14:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	95294	11/09/24 02:11	СН	EET MID

#### Client Sample ID: S-2 (0-1.8') Date Collected: 11/04/24 10:35 Date Received: 11/08/24 13:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			95605	11/12/24 22:47	SM	EET MID

**Eurofins Midland** 

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Job ID: 880-50851-1 SDG: Lea Co. NM

#### Lab Sample ID: 880-50851-5 Matrix: Solid

Lab Sample ID: 880-50851-6

Matrix: Solid

#### Lab Sample ID: 880-50851-7 Matrix: Solid

Lab Sample ID: 880-50851-8

Lab Sample ID: 880-50851-9

**Matrix: Solid** 

Matrix: Solid

#### Client Sample ID: S-2 (0-1.8') Date Collected: 11/04/24 10:35 Date Received: 11/08/24 13:35

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 8015NM Prep 8015B NM	Run	Dil Factor	Initial Amount 10.01 g 1 uL	Final Amount 10 mL 1 uL	Batch Number 95276 95559	Prepared or Analyzed 11/08/24 14:17 11/12/24 22:47	Analyst EL TKC	EET MID
Soluble Soluble	Leach Analysis	DI Leach 300.0		1	4.95 g 50 mL	50 mL 50 mL	95290 95294	11/08/24 14:51 11/09/24 02:17	SA CH	EET MID EET MID

#### Client Sample ID: S-18 (1.8') Date Collected: 11/04/24 10:50 Date Received: 11/08/24 13:35

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			95605	11/12/24 23:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	95276	11/08/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	95559	11/12/24 23:01	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	95290	11/08/24 14:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	95294	11/09/24 02:24	СН	EET MID

#### Client Sample ID: S-32 (2.5') Date Collected: 11/04/24 11:05 Date Received: 11/08/24 13:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			95605	11/12/24 23:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	95276	11/08/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	95559	11/12/24 23:17	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	95290	11/08/24 14:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	95294	11/09/24 02:30	СН	EET MID

#### Client Sample ID: S-34 (2.5') Date Collected: 11/04/24 11:10 Date Received: 11/08/24 13:35

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			95605	11/12/24 23:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	95276	11/08/24 14:17	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	95559	11/12/24 23:31	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	95290	11/08/24 14:51	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	95294	11/09/24 02:36	СН	EET MID

#### Laboratory References:

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

SDG: Lea Co. NM Lab Sample ID: 880-50851-9 Matrix: Solid

Matrix: Solid

Matrix: Solid

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Job ID: 880-50851-1

Lab Sample ID: 880-50851-10

Lab Sample ID: 880-50851-11

#### Lab Sample ID: 880-50851-12 Matrix: Solid

**Accreditation/Certification Summary** 

Client: Crain Environmental Project/Site: Chem State #1 Job ID: 880-50851-1 SDG: Lea Co. NM

### Laboratory: Eurofins Midland

 Analysis Method
 Prep Method
 Matrix
 Analyte

 8015 NM
 Solid
 Total TPH

**Eurofins Midland** 

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### **Method Summary**

#### **Client: Crain Environmental** Project/Site: Chem State #1

Job ID: 880-50851-1 SDG: Lea Co. NM

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
	erences: STM International Environmental Protection Agency		
SW846 = '	'Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third	Edition, November 1986 And Its Update	es.
Laboratory R	eferences:		
EET MID =	= Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-544	0	

#### Laboratory References:

**Eurofins Midland** 

### **Sample Summary**

Client: Crain Environmental Project/Site: Chem State #1 Job ID: 880-50851-1 SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-50851-1	S-1 (7')	Solid	11/04/24 10:00	11/08/24 13:35	7'
880-50851-2	S-11 (0-4')	Solid	11/04/24 10:05	11/08/24 13:35	0-4'
880-50851-3	S-11 (4-7')	Solid	11/04/24 10:10	11/08/24 13:35	4-7'
880-50851-4	S-12 (0-4')	Solid	11/04/24 10:15	11/08/24 13:35	0-4'
880-50851-5	S-12 (4-7')	Solid	11/04/24 10:15	11/08/24 13:35	4-7'
880-50851-6	S-13 (0-4')	Solid	11/04/24 10:20	11/08/24 13:35	0-4'
880-50851-7	S-13 (4-7')	Solid	11/04/24 10:25	11/08/24 13:35	4-7'
880-50851-8	S-14 (0-4')	Solid	11/04/24 10:30	11/08/24 13:35	0-4'
880-50851-9	S-2 (0-1.8')	Solid	11/04/24 10:35	11/08/24 13:35	0-1.8'
380-50851-10	S-18 (1.8')	Solid	11/04/24 10:50	11/08/24 13:35	1.8'
880-50851-11	S-32 (2.5')	Solid	11/04/24 11:05	11/08/24 13:35	0-2.5'
880-50851-12	S-34 (2.5')	Solid	11/04/24 11:10	11/08/24 13:35	0-2.5'

stody c				PST/UST TRRP Level IV	] Other:	Preservative Codes	None: NO DI Water: H <sub>2</sub> O	Cool: Cool MeOH: Me			H <sub>3</sub> PO 4: HP	CINAN:4 UCH	Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC	Sample Comments										Sn U V Zn	/ / / / / / / / / / / / / / / / / / / /		Date/Time			
880-50951 Chain of Custody	L L L	Program: UST/PST PRP Brownfields	roject: NM	Reporting: Level II 🗌 Level III 🗍 PST/I	Deliverables: EDD ADaPT		No	Co	DH 1			N	Zu	Nac											Se Ag SiO <sub>2</sub> Na Sr	/ 1.042 / 1001 .рп	ontrol ly negotiated.	Received by: (Signature)			
<b>Chain of Custody</b> Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Chris Cradely	Detane.	all, 54.300	19701 X	Arreil. Ion	ANALYSIS REQUEST					W	Si	210! 78	1.JOJ HC	197 11										8RCRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Trip/spip.6010 · 8PCPA sh As Ba Cd Cr Co Cu Ph Ma Ma Ni So An Ti U	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions	or serves. Eurorities served with the exact of samples and shall not assume any responsibility for any toxies or expenses incurred by the clearch state for the sort of the experted provident of the control of Eurofins Xenco. A minimum charge of \$5.50 will be enforced unless previously negocitated.	Date/Time Relinquished by: (Signature)	8 du 13322	4	9
CF Houston, TX Midland, TX (43 EL Paso, TX (9 Hobbs, NM (5	Bill to: (if different)	Company Name:	Address:	City, State ZIP:	Cinely. Crain @	1	Rush Code		TAT starts the day received by the lab, if received by 4:30pm		Ves No	0-	5.8	3.2	Depth Grab/ # of Comp Cont	7' 0 1	0.4' 1 1	4.7'	0-4'	4-7	0-4	4-7	1.90	1.8.1	A 13PPM Texas 11 AI Sb TCI D / SDI D 6010 · SDC DA S	Er OULO . ONCAN J	isionity for any losses or expension or each sample submitted to Eu		NI III		
Environment Testing Xenco		"vironmentel	K SI.	79761	7244 Email:	#/ Tum.	Routine	Due Date:	TAT starts the the lab, if rece		Thermomotor ID.	Correction Factor:	Temperature Reading:	Corrected Temperature:	k Date Time Sampled Sampled	0001 12/1-/11			2101	1020	1025		SPVI			ples constitutes a valid purchase orde	inpresion shall not assume any respond to each project and a charge of \$5 fi	Received by: (Signature)	AN	P	
🐝 eurofins Enviro	Cindy Cain	Crain C	2925 6	Calessa, TR	(575) 441-7	Chen State.	'	Lea Co. NM	Lindy Cain		of Intact: (Vac) No	Yes N	: Yes No		Sample Identification Matrix	r') S	0-4') 1	4-7')	0.4.)	4.7')	(0-4.)	4-7')	(1-1.8.)	8	Total 200.7 / 6010 200.8 / 6020: Circle Methodic) and Metalici to be analyzed	is document and relinquishment of sam	nico will be induce of ity for use cost of sam inhimum charge of \$85.00 will be applied	Relipouished by bignature)	Lavi		
eu 🔅	Project Manager:	Company Name:	Address:	City, State ZIP:	Phone:	Project Name:	Project Number:	Project Location:	Sampler's Name: PO #·	CAMPI E DECEIDT	Samples Beceived Intact	Cooler Custody Seals:	Sample Custody Seals:	Total Containers:	Sample I	5-1 (7	5-11 /1	5-11 (4	5-12 (	-		5-13	5.2	1	Total 200.7 / 6010 Circle Method(c) ar	lotice: Signature of th	of Eurofins Xenco. Am	Relipquished	(ind)	0	

851 Page 2 of 2		Brownfields RRC Superfund	]	PST/UST TRRP Level IV	Other:	Preservative Codes	None: NO DI Water: H <sub>2</sub> O	Cool: Cool MeOH: Me	HCL: HC HNO 3: HN		NaHSO 4: NABIS	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC	Sample Comments						TI Sn U V Zn 7470 / 7471		Date/Time			Revised Date: 08/25/2020 Rev. 2020.2
Work Order No:	Work Order Comments	Program: UST/PST PRP Brown	roject: NM	Reporting: Level II 🔲 Level III 🗍 PST	Deliverables: EDD ADaPT				<u> </u>		. Z		Z	2							Se Ag SiO <sub>2</sub> Na Sr <sup>-</sup> Hg: 1631 / 245.1 /	ditions ontrol y negotiated.	Received by: (Signature)			
<b>Chain of Custody</b> Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Chris Gaddy		Vall 54.300	X 79701	Amail. ton	ANALYSIS REQUEST				V		50	79.1	:Joj Ha	IN THE SECOND		*				AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K CRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U	Xenco, it's affiliates and subcontractors. It assigns standard terms and con Incurred by the client if such boses are due to circumstances beyond the c fins Xenco, but not analyzed. These terms will be enforced unless previous	Date/Time Relinquished by: (Signature)	5 pm 15352	<del>4</del> <del>1</del>	2
Cha Houston, TX (28 Midland, TX (432) EL Paso, TX (915) Hobbs, NM (575	Bill to: (if different)	Company Name:	Address:	City, State ZIP:	Cindy. Crain @	Tum Around	Rush Code		TAT starts the day received by the lab, if received by 4:30pm	Т	eme	Par			Depth Grab/ # of	comp	A A C.Y-0				Texas 11 6010 : 8R	er from client company to Eurofin: nsibility for any losses or expenses for each sample submitted to Euro		11/2		_
Curofins Environment Testing Xenco	Project Manager: Cintu Cain	Crain Eviconmental	2925 C. 174 SI.	24. TX 79761	41-70	Project Name: Chem State # 1 Tum	Rout	Project Location: Lea Lo NM Due Date:	Crain	I E RECEIDT TemnBlank Ves No	tact: Yes No Thermometer I	Yes No N/A	: Yes No N/A		dentification	3.2 (n. 2 5.) 5 [1]/16/16	all A A (.c.p.a) to				Total         200.7 / 6010         200.8 / 6020:         8RCRA         13PPM           Circle Method(s) and Metal(s) to be analyzed         TCLP / SPLF	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 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 of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated	Relipeuished by: (Signature) Received by: (Signature)	Linky Law		

### Login Sample Receipt Checklist

Client: Crain Environmental

#### Login Number: 50851 List Number: 1 Creator: Vasquez, Julisa

<6mm (1/4").

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	N/A	

Job Number: 880-50851-1 SDG Number: Lea Co. NM List Source: Eurofins Midland 5 6 7 8 9 10 11 12 13

Received by OCD: 3/26/2025 8:20:29 PM



**Environment Testing** 

# **ANALYTICAL REPORT**

## **PREPARED FOR**

Attn: Cindy Crain Crain Environmental 2925 E. 17th St. Odessa, Texas 79761 Generated 1/2/2025 3:59:52 PM

JOB DESCRIPTION

Chem State #1

### **JOB NUMBER**

880-52508-1

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

AMER

Generated 1/2/2025 3:59:52 PM

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

1/2/2025

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Sample Summary	25
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## **Definitions/Glossary**

.lob ID: 880-52508-1

Client: Crain Er Project/Site: Ch		2
Qualifiers		3
GC VOA		3
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		5
Qualifier	Qualifier Description	
F1	MS and/or MSD recovery exceeds control limits.	
F2	MS/MSD RPD exceeds control limits	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	9
U	Indicates the analyte was analyzed for but not detected.	0
Clossom		9
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		13
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 QC	Presumptive Quality Control	
	-	
RER	Relative Error Ratio (Radiochemistry) Reporting Limit or Requested Limit (Radiochemistry)	
RL RPD	Reporting Limit or Requested Limit (Radiochemistry) Relative Percent Difference, a measure of the relative difference between two points	
NFU	relative recent billerence, a measure of the relative dimenence between two points	

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

TEF

TEQ

TNTC

Job ID: 880-52508-1

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### Job ID: 880-52508-1

### **Eurofins Midland**

Job Narrative 880-52508-1

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 12/19/2024 1:52 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.2°C.

### GC VOA

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

### **Diesel Range Organics**

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-98956 and analytical batch 880-99130 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

### HPLC/IC

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

Job ID: 880-52508-1

### **Client Sample Results**

Client: Crain Environmental Project/Site: Chem State #1

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

Lab Sample ID: 880-52508-1 Matrix: Solid

Date Collected: 12/18/24 09:45 Date Received: 12/19/24 13:52 Sample Depth: 9

Analyte

			inderi	
. Unit	D	Prepared	Analyzed	Dil Fac
ma/Ka		12/20/24 08:33	12/20/24 13:54	1

-							•		
Benzene	< 0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 13:54	1
Toluene	0.00486		0.00200		mg/Kg		12/20/24 08:33	12/20/24 13:54	1
Ethylbenzene	0.0302		0.00200		mg/Kg		12/20/24 08:33	12/20/24 13:54	1
m-Xylene & p-Xylene	0.00402		0.00401		mg/Kg		12/20/24 08:33	12/20/24 13:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 13:54	1
Xylenes, Total	0.00402		0.00401		mg/Kg		12/20/24 08:33	12/20/24 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				12/20/24 08:33	12/20/24 13:54	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/20/24 08:33	12/20/24 13:54	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0391		0.00401		mg/Kg			12/20/24 13:54	1

RL

MDL

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

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

Result Qualifier

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/31/24 20:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U F1 F2	50.0		mg/Kg		12/27/24 13:36	12/31/24 20:51	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/27/24 13:36	12/31/24 20:51	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:36	12/31/24 20:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				12/27/24 13:36	12/31/24 20:51	1
o-Terphenyl	93		70 - 130				12/27/24 13:36	12/31/24 20:51	1

	Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Chloride	26.0		10.0		mg/Kg			12/24/24 16:20	1

### Client Sample ID: S-11 (0-4') Date Collected: 12/18/24 09:50 Date Received: 12/19/24 13:52 Sample Depth: 0 - 4

Lab Sample ID: 880-52508-2
Matrix: Solid

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

inotiou orio ouris origanio origanio (oo)											
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Benzene	< 0.00199	U	0.00199		mg/Kg		12/20/24 08:33	12/20/24 14:14	1		
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:33	12/20/24 14:14	1		
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:33	12/20/24 14:14	1		
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 08:33	12/20/24 14:14	1		
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:33	12/20/24 14:14	1		
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 08:33	12/20/24 14:14	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	105		70 - 130				12/20/24 08:33	12/20/24 14:14	1		

**Eurofins Midland** 

### **Client Sample Results**

Client: Crain Environmental Project/Site: Chem State #1

Sample Depth: 0 - 4

1,4-Difluorobenzene (Surr)

Gasoline Range Organics

**Diesel Range Organics (Over** 

Surrogate

Analyte

Analyte

Analyte

C10-C28)

(GRO)-C6-C10

Total TPH

Total BTEX

Client Sample ID: S-11 (0-4')

Date Collected: 12/18/24 09:50

Date Received: 12/19/24 13:52

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

Method: TAL SOP Total BTEX - Total BTEX Calculation

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

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

%Recovery Qualifier

Result Qualifier

Ū

Result Qualifier

**Result Qualifier** 

<49.9 U

<49.9 U

<49.9 U

97

<0.00398

Limits

70 - 130

RL

RL

49.9

RL

49.9

49.9

0.00398

MDL Unit

MDL Unit

MDL Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Job ID: 880-52508-1

## Lab Sample ID: 880-52508-2

Analyzed

12/20/24 14:14

Analyzed

12/20/24 14:14

Analyzed

12/31/24 21:52

Analyzed

12/31/24 21:52

12/31/24 21:52

Lab Sample ID: 880-52508-3

Prepared

12/20/24 08:33

Prepared

Prepared

Prepared

12/27/24 13:36

12/27/24 13:36

D

D

D

Matrix: Solid

Dil Fac

Dil Fac

Dil Fac

5

Dil Fac	
1	
1	
1	13
Dil Fac	

1

Matrix: Solid

Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg	12/27/24 13:36	12/31/24 21:52
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed
1-Chlorooctane	88		70 - 130		12/27/24 13:36	12/31/24 21:52
o-Terphenyl	93		70 _ 130		12/27/24 13:36	12/31/24 21:52

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	54.8	10.1	mg/Kg			12/24/24 16:26	1		

### Client Sample ID: S-11 (4-9')

Date Collected: 12/18/24 09:55 Date Received: 12/19/24 13:52 Sample Depth: 4 - 9

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 12/20/24 08:33 12/20/24 14:35 Toluene <0.00200 U 0.00200 12/20/24 08:33 12/20/24 14:35 mg/Kg 1 Ethylbenzene <0.00200 U 0.00200 mg/Kg 12/20/24 08:33 12/20/24 14:35 0.00399 12/20/24 14:35 m-Xylene & p-Xylene <0.00399 U mg/Kg 12/20/24 08:33 1 o-Xylene <0.00200 U 0.00200 mg/Kg 12/20/24 08:33 12/20/24 14:35 Xylenes, Total <0.00399 U 0.00399 mg/Kg 12/20/24 08:33 12/20/24 14:35 1 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analvzed 70 - 130 98 12/20/24 08:33 4-Bromofluorobenzene (Surr) 12/20/24 14:35 1 1,4-Difluorobenzene (Surr) 100 70 - 130 12/20/24 08:33 12/20/24 14:35 1 Method: TAL SOP Total BTEX - Total BTEX Calculation Analvte Result Qualifier RL MDL D Unit Prepared Analvzed Dil Fac <0.00399 Total BTEX Ū 0.00399 12/20/24 14:35 mg/Kg Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <50.0 U Total TPH 50.0 12/31/24 22:13 mg/Kg 1

**Eurofins Midland** 

Job ID: 880-52508-1

Lab Sample ID: 880-52508-4

### **Client: Crain Environmental** Project/Site: Chem State #1

### Client Sample ID: S-11 (4-9')

Date Collected: 12/18/24 09:55 Date Received: 12/19/24 13:52

Dute Received. 12/13/24 10.02												
Sample Depth: 4 - 9												
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)												
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Di			
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 13:36	12/31/24 22:13				
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		12/27/24 13:36	12/31/24 22:13				

C10-C28) Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg	12/27/24 13:36	12/31/24 22:13	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130		12/27/24 13:36	12/31/24 22:13	1
o-Terphenyl	91		70 - 130		12/27/24 13:36	12/31/24 22:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.3		9.98		mg/Kg			12/24/24 16:32	1

### Client Sample ID: S-12 (0-4')

### Date Collected: 12/18/24 10:00 Date Received: 12/19/24 13:52

Sample Depth: 0 - 4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:33	12/20/24 16:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:33	12/20/24 16:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:33	12/20/24 16:08	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/20/24 08:33	12/20/24 16:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/20/24 08:33	12/20/24 16:08	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/20/24 08:33	12/20/24 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				12/20/24 08:33	12/20/24 16:08	1
1,4-Difluorobenzene (Surr)	97		70 - 130				12/20/24 08:33	12/20/24 16:08	1
		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total BTEX	Result <0.00404	Qualifier U	0.00404	MDL	Unit mg/Kg	D	Prepared	Analyzed 12/20/24 16:08	Dil Fac
Method: TAL SOP Total BTEX - Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	el Range Organ	Qualifier U	0.00404	MDL	mg/Kg	<u>D</u>	Prepared Prepared		Dil Fac 1 Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies	el Range Organ	Qualifier U ics (DRO) ( Qualifier	0.00404		mg/Kg			12/20/24 16:08	1
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte	el Range Organ Result <0.00404 Result <50.0	Qualifier U ics (DRO) ( Qualifier U	0.00404 GC) RL 50.0		mg/Kg Unit			12/20/24 16:08 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Die	el Range Organ Result <0.00404 el Range Organ         	Qualifier U ics (DRO) ( Qualifier U	0.00404 GC) RL 50.0	MDL	mg/Kg Unit			12/20/24 16:08 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	el Range Organ Result <0.00404 el Range Organ         	Qualifier U ics (DRO) ( Qualifier U nics (DRO) Qualifier	GC) <u>RL</u> 50.0 (GC)	MDL	mg/Kg Unit mg/Kg	D	Prepared	12/20/24 16:08 Analyzed 12/31/24 22:33	1 Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Dies Analyte Total TPH	el Range Organ Result <0.00404 el Range Organ         	Qualifier U ics (DRO) ( Qualifier U unics (DRO) Qualifier U	0.00404 GC) RL 50.0 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	D	Prepared	12/20/24 16:08 Analyzed 12/31/24 22:33 Analyzed	1 Dil Fac

### Dil Fac %Recovery Qualifier Limits Prepared Analyzed Surrogate 12/27/24 13:36 1-Chlorooctane 84 70 - 130 12/31/24 22:33 1 o-Terphenyl 88 70 - 130 12/27/24 13:36 12/31/24 22:33 1

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Matrix: Solid

		Client	Sample F	Results	;				
Client: Crain Environmental Project/Site: Chem State #1								Job ID: 880-	52508-1
Client Sample ID: S-12 (0-4') Date Collected: 12/18/24 10:00 Date Received: 12/19/24 13:52 Sample Depth: 0 - 4							Lab Sam	ple ID: 880-5 Matri	2508-4 ix: Solid
Method: EPA 300.0 - Anions, Ion Analyte	• •	o <mark>hy - Soluble</mark> Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.1		10.0		mg/Kg			12/24/24 16:50	1
Client Sample ID: S-12 (4-9') Date Collected: 12/18/24 10:05 Date Received: 12/19/24 13:52 Sample Depth: 4 - 9							Lab Sam	ple ID: 880-5 Matri	2508-5 ix: Solid
Method: SW846 8021B - Volatile (		<mark>ounds (GC)</mark> Qualifier	DI DI	MDI	11:4		Ducucand	Anglungal	
Analyte	- Result <0.00200			MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene			0.00200		mg/Kg		12/20/24 08:33	12/20/24 16:29 12/20/24 16:29	1
Toluene	< 0.00200		0.00200		mg/Kg		12/20/24 08:33		1
	< 0.00200		0.00200		mg/Kg		12/20/24 08:33	12/20/24 16:29	1
m-Xylene & p-Xylene	< 0.00401		0.00401		mg/Kg		12/20/24 08:33	12/20/24 16:29	1
o-Xylene	< 0.00200		0.00200		mg/Kg		12/20/24 08:33	12/20/24 16:29	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/20/24 08:33	12/20/24 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				12/20/24 08:33	12/20/24 16:29	1
1,4-Difluorobenzene (Surr) —	94		70 - 130				12/20/24 08:33	12/20/24 16:29	1
Method: TAL SOP Total BTEX - To	otal BTEX Calo	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/20/24 16:29	1
Method: SW846 8015 NM - Diesel			· ·						
Analyte		Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/31/24 22:54	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO) (C	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		12/27/24 13:36	12/31/24 22:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/27/24 13:36	12/31/24 22:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/27/24 13:36	12/31/24 22:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				12/27/24 13:36	12/31/24 22:54	1
o-Terphenyl	92		70 - 130				12/27/24 13:36	12/31/24 22:54	1
Method: EPA 300.0 - Anions, Ion					11-14	-	Dec	A	<b>D</b> 2 <b>-</b>
Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac

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12/24/24 16:56

Chloride

9.96

mg/Kg

32.9

1

RL

0.00200

0.00200

0.00200

0.00399

0.00200

0.00399

Limits

70 - 130

70 - 130

Job ID: 880-52508-1

Client: Crain	Enviro	nmen	tal
Project/Site:	Chem	State	#1

## Client Sample ID: S-13 (0-4')

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

Result Qualifier

Qualifier

<0.00200 U

<0.00200 U

<0.00200 U

<0.00399 U

<0.00200 U

<0.00399 U

98

98

%Recovery

Date Collected: 12/18/24 10:10 Date Received: 12/19/24 13:52

Sample Depth: 0 - 4

Analyte

Benzene

Toluene

o-Xylene

Surrogate

Analyte

Analyte

Total TPH

Total BTEX

Ethylbenzene

Xylenes, Total

m-Xylene & p-Xylene

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Analyzed

12/20/24 16:49

12/20/24 16:49

12/20/24 16:49

12/20/24 16:49

12/20/24 16:49

12/20/24 16:49

Analyzed

12/20/24 16:49

12/20/24 16:49

Lab Sample ID: 880-52508-7

Matrix: Solid

Solid	5
	4
	5
Dil Fac	
1	6
1	
1	7
1	
1	8
1	
Dil Fac	9
1 1	10
Dil Fac	11
1	12
Dil Fac	13

Method: TAL SOP Total BTEX - Total BTEX Calculation Result Qualifier RL MDL Unit D Prepared Analyzed < 0.00399 U 0.00399 mg/Kg 12/20/24 16:49 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit D Prepared Analyzed <50.0 U 50.0 12/31/24 23:14 mg/Kg Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

MDL

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

12/20/24 08:33

12/20/24 08:33

12/20/24 08:33

12/20/24 08:33

12/20/24 08:33

12/20/24 08:33

Prepared

12/20/24 08:33

12/20/24 08:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/27/24 13:36	12/31/24 23:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/27/24 13:36	12/31/24 23:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/27/24 13:36	12/31/24 23:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				12/27/24 13:36	12/31/24 23:14	1
o-Terphenyl	91		70 - 130				12/27/24 13:36	12/31/24 23:14	1

Method: EPA 300.0 - Anions, Ion C	hromatography -	Soluble					
Analyte	Result Qual	ifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.7	10.0	mg/Kg			12/24/24 17:02	1

### Client Sample ID: S-13 (4-9') Date Collected: 12/18/24 10:15 Date Received: 12/19/24 13:52

Sample Depth: 4 - 9

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC	)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:33	12/20/24 17:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:33	12/20/24 17:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:33	12/20/24 17:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/20/24 08:33	12/20/24 17:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/20/24 08:33	12/20/24 17:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/20/24 08:33	12/20/24 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				12/20/24 08:33	12/20/24 17:10	1

**Eurofins Midland** 

Matrix: Solid

Job ID: 880-52508-1

### **Client Sample Results**

Client: Crain Environmental Project/Site: Chem State #1

Client Sample ID: S-13 (4-9')

Date Collected: 12/18/24 10:15

Date Received: 12/19/24 13:52

Sample Depth: 4 - 9

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

urrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
,4-Difluorobenzene (Surr)	97		70 - 130				12/20/24 08:33	12/20/24 17:10	1
Nethod: TAL SOP Total BTEX -	- Total BTEX Cal	culation							
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
otal BTEX	<0.00398	U	0.00398		mg/Kg			12/20/24 17:10	1
lethod: SW846 8015 NM - Dies	sel Range Organ	ics (DRO) (	GC)						
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
otal TPH	<49.8		49.8		mg/Kg			12/31/24 23:34	

Result	Quaimer	RL		U	Frepareu	Analyzeu	DIFAC	
<49.8	U	49.8	mg/Kg		12/27/24 13:36	12/31/24 23:34	1	
<49.8	U	49.8	mg/Kg		12/27/24 13:36	12/31/24 23:34	1	
<49.8	U	49.8	mg/Kg		12/27/24 13:36	12/31/24 23:34	1	
~-								
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
93		70 - 130			12/27/24 13:36	12/31/24 23:34	1	
97		70 - 130			12/27/24 13:36	12/31/24 23:34	1	
	<49.8 <49.8 <49.8 <b>%Recovery</b> 93		<49.8         U         49.8           <49.8	<49.8         U         49.8         mg/Kg           <49.8	<49.8         U         49.8         mg/Kg           <49.8	<49.8         U         49.8         mg/Kg         12/27/24 13:36           <49.8	<49.8         U         49.8         mg/Kg         12/27/24 13:36         12/31/24 23:34           <49.8	<49.8

### Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier MDI Unit ∆nalvte RI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.6		9.98		mg/Kg			12/24/24 17:08	1
Client Sample ID: S-14 (0-4')							Lab Sam	ple ID: 880-5	2508-8

### Client Sample ID: S-14 (0-4')

Date Collected: 12/18/24 10:20 Date Received: 12/19/24 13:52 Sample Depth: 0 - 4

### Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.00201 U 0.00201 mg/Kg 12/20/24 08:33 12/20/24 17:30 Toluene <0.00201 U 0.00201 12/20/24 08:33 12/20/24 17:30 mg/Kg 1 Ethylbenzene <0.00201 U 0.00201 mg/Kg 12/20/24 08:33 12/20/24 17:30 0.00402 m-Xylene & p-Xylene <0.00402 U mg/Kg 12/20/24 08:33 12/20/24 17:30 1 o-Xylene <0.00201 U 0.00201 mg/Kg 12/20/24 08:33 12/20/24 17:30 1 Xylenes, Total <0.00402 U 0.00402 mg/Kg 12/20/24 08:33 12/20/24 17:30 1 %Recovery Surrogate Qualifier Limits Dil Fac Prepared Analvzed 12/20/24 08:33 70 - 130 4-Bromofluorobenzene (Surr) 98 12/20/24 17:30 1 1,4-Difluorobenzene (Surr) 99 70 - 130 12/20/24 08:33 12/20/24 17:30 1 Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte **Result Qualifier** RL MDL Unit D Dil Fac Prepared Analyzed Total BTEX <0.00402 Ū 0.00402 mg/Kg 12/20/24 17:30 1 Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total TPH <49.7 U 49.7 mg/Kg 12/31/24 23:54 1

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Matrix: Solid

Lab Sample ID: 880-52508-7 Matrix: Solid 5

Dil Fac

1

1

1

1

1

1

Dil Fac

Dil Fac

### **Client Sample Results**

RL

49.7

49.7

49.7

RL

9.92

Limits

70 - 130

70 - 130

MDL Unit

MDL Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

D

Prepared

12/27/24 13:36

12/27/24 13:36

12/27/24 13:36

Prepared

12/27/24 13:36

12/27/24 13:36

Prepared

Client: Crain Environmental Project/Site: Chem State #1

### Client Sample ID: S-14 (0-4')

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

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

<49.7 U

<49.7 U

<49.7 U

89

95

55.8

Result Qualifier

Qualifier

%Recovery

Date Collected: 12/18/24 10:20 Date Received: 12/19/24 13:52

Sample Depth: 0 - 4

Gasoline Range Organics

Diesel Range Organics (Over

Oil Range Organics (Over C28-C36)

Analyte

C10-C28)

Surrogate

o-Terphenyl

Analyte

Chloride

1-Chlorooctane

(GRO)-C6-C10

### Lab Sample ID: 880-52508-8 Matrix: Solid

Analyzed

12/31/24 23:54

12/31/24 23:54

12/31/24 23:54

Analyzed

12/31/24 23:54

12/31/24 23:54

Analyzed

12/24/24 17:13

Matrix: Solid

Job ID: 880-52508-1

## **Surrogate Summary**

Client: Crain Environmental Project/Site: Chem State #1

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

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
880-52508-1	S-1 (9')	102	92		
880-52508-2	S-11 (0-4')	105	97		
880-52508-3	S-11 (4-9')	98	100		- 22
880-52508-4	S-12 (0-4')	106	97		
880-52508-5	S-12 (4-9')	109	94		
880-52508-6	S-13 (0-4')	98	98		
880-52508-7	S-13 (4-9')	96	97		
880-52508-8	S-14 (0-4')	98	99		
LCS 880-98435/1-A	Lab Control Sample	106	99		
LCSD 880-98435/2-A	Lab Control Sample Dup	108	98		
MB 880-98435/5-A	Method Blank	92	93		
Surrogate Legend					
BFB = 4-Bromofluorober	nzene (Surr)				

DFBZ = 1,4-Difluorobenzene (Surr)

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

### Matrix: Solid

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-52508-1	S-1 (9')	85	93
880-52508-1 MS	S-1 (9')	86	83
880-52508-1 MSD	S-1 (9')	98	95
880-52508-2	S-11 (0-4')	88	93
880-52508-3	S-11 (4-9')	87	91
880-52508-4	S-12 (0-4')	84	88
880-52508-5	S-12 (4-9')	87	92
880-52508-6	S-13 (0-4')	88	91
880-52508-7	S-13 (4-9')	93	97
880-52508-8	S-14 (0-4')	89	95
LCS 880-98956/2-A	Lab Control Sample	97	100
LCSD 880-98956/3-A	Lab Control Sample Dup	104	107
MB 880-98956/1-A	Method Blank	115	130

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

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Job ID: 880-52508-1 Prep Type: Total/NA 6

Prep Type: Total/NA

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

 Lab Sample ID: MB 880-98435/5-A Matrix: Solid							Client Sa	mple ID: Metho Prep Type: 1	
Analysis Batch: 98353								Prep Batch	
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/20/24 08:33	12/20/24 11:07	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 _ 130				12/20/24 08:33	12/20/24 11:07	1
1,4-Difluorobenzene (Surr)	93		70 - 130				12/20/24 08:33	12/20/24 11:07	1
- Lab Sample ID: LCS 880-98435/1-A						c	lient Sample I	D: Lab Control	Sample
Matrix: Solid								Prep Type: 1	otal/NA
Analysis Batch: 98353								Prep Batch	n: 98435
-			Spike	LCS LCS				%Rec	

	Spike	L03	L03				/onec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1025		mg/Kg		103	70 - 130	
Toluene	0.100	0.1077		mg/Kg		108	70 - 130	
Ethylbenzene	0.100	0.1037		mg/Kg		104	70 - 130	
m-Xylene & p-Xylene	0.200	0.2015		mg/Kg		101	70 - 130	
o-Xylene	0.100	0.1117		mg/Kg		112	70 - 130	

	LCS LCS								
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	106		70 - 130						
1,4-Difluorobenzene (Surr)	99		70 - 130						

### Lab Sample ID: LCSD 880-98435/2-A

## Matrix: Solid

Analysis Batch: 98353							Prep	rep Batch: 98435		
	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1068		mg/Kg		107	70 - 130	4	35	
Toluene	0.100	0.1103		mg/Kg		110	70 - 130	2	35	
Ethylbenzene	0.100	0.1065		mg/Kg		107	70 - 130	3	35	
m-Xylene & p-Xylene	0.200	0.2041		mg/Kg		102	70 - 130	1	35	
o-Xylene	0.100	0.1136		mg/Kg		114	70 - 130	2	35	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Dil Fac	
<u> </u>	
<b>'</b> 1	_
' 1	7
' 1	_
' 1	8
' 1	
	9
Dil Fac	
7 1	
7 1	
ol Sample	
: Total/NA	
tch: 98435	
	13

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5

Client: Crain Environmental Project/Site: Chem State #1

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

-		<u> </u>												
Lab Sample ID: MB 880-98956/1-	- <b>A</b>									Cli	ient Sa	ample ID: N		
Matrix: Solid													Type: To	
Analysis Batch: 99130												Prep	Batch:	98956
		MB							_	_			_	
Analyte			Qualifier		RL	MDL	Unit		<u>D</u>	Prepa		Analyze		Dil Fac
Gasoline Range Organics (GRO)-C6-C10		<50.0			0.0		mg/Kg			12/27/24		12/31/24 1		1
Diesel Range Organics (Over C10-C28)	</td <td>&lt;50.0</td> <td>U</td> <td>50</td> <td>0.0</td> <td></td> <td>mg/Kg</td> <td></td> <td></td> <td>12/27/24</td> <td>24 13:36</td> <td>12/31/24 1</td> <td>19:49</td> <td>1</td>	<50.0	U	50	0.0		mg/Kg			12/27/24	24 13:36	12/31/24 1	19:49	1
Oil Range Organics (Over C28-C36)	</td <td>&lt;50.0</td> <td>U</td> <td>50</td> <td>0.0</td> <td></td> <td>mg/Kg</td> <td></td> <td></td> <td>12/27/24</td> <td>4 13:36</td> <td>12/31/24 1</td> <td>19:49</td> <td>1</td>	<50.0	U	50	0.0		mg/Kg			12/27/24	4 13:36	12/31/24 1	19:49	1
										_				_
Surrogate	%Recov	-	-	Limits							pared	Analyze		Dil Fac
1-Chlorooctane		115		70 - 130							24 13:36	12/31/24 1		1
o-Terphenyl		130		70 - 130	)					12/27/24	24 13:36	12/31/24 1	19:49	1
Lab Sample ID: LCS 880-98956/2	2-A								C	Client Sa	ample	ID: Lab Co	ontrol S	ample
Matrix: Solid													Type: To	
Analysis Batch: 99130													Batch:	
-				Spike	LCS	LCS	,					%Rec		
Analyte				Added	Result	t Quali	lifier	Unit		D %	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10				1000	1073			mg/Kg			107	70 - 130		
Diesel Range Organics (Over C10-C28)				1000	1076			mg/Kg			108	70 - 130		
	LCS	LCS	j.											
Surrogate	%Recovery			Limits										
1-Chlorooctane	97			70 - 130										
o-Terphenyl	100			70 - 130										
Lab Sample ID: LCSD 880-98956	6/3-A							Cli	ient	t Sampl	e ID: L	ab Control	I Samp	le Dup
Matrix: Solid									-				ype: To	
Analysis Batch: 99130													Batch:	
				Spike	LCSD		D					%Rec		RPD
Analyte				Added		t Quali		Unit		D %	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10				1000	956.5			mg/Kg			96	70 - 130	11	20
Diesel Range Organics (Over C10-C28)				1000	981.6			mg/Kg			98	70 - 130	9	20
	LCSD	LCS	a.											
Surrogate	%Recovery			Limits										
1-Chlorooctane	104	-		70 - 130										
o-Terphenyl	107			70 - 130										
Lab Sample ID: 880-52508-1 MS											C	lient Samp	ple ID: {	<b>3-1 (9')</b>
Matrix: Solid												Prep T	Type: To	tal/NA
Analysis Batch: 99130												Prep	Batch:	98956
	Sample	Sam	nla	Spiko	мс	Me						% Pac		

Analysis Batch: 99130									Prep	Batch: 98956
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1 F2	997	685.7	F1	mg/Kg		65	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	997	748.9		mg/Kg		72	70 _ 130	

Job ID: 880-52508-1

Client: Crain Environmental Project/Site: Chem State #1

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

AnalyteResultQualifierAddedResultQualifierUnitD%RecLimitsRPDLirGasoline Range Organics<50.0U F1 F29971053F2mg/Kg10270 - 13042(GRO)-C6-C10	Lab Sample ID: 880-52508-1 Matrix: Solid Analysis Batch: 99130	MS											(		ple ID: \$ ype: To Batch:	tal/NA
1-Chlorooctane       86       70.130         o-Terphenyl       83       70.130         Lab Sample ID: 880-52508-1 MSD       Client Sample ID: 800-52508-1 MSD         Matrix: Solid       Prep Type: Total/N         Analyte       Result Qualifier       Added         Gasoline Range Organics       <50.0       U F1 F2       997       1053       F2       mg/Kg       102       70.130       42         (GRO-Cc-C10       U F1 F2       997       876.0       mg/Kg       85       70.130       42         Surrogate       *Kec       WSD       MSD       MSD       85       70.130       16         Surrogate       *Kec overy Qualifier       Limits       70.130       95       70.130       16         Surrogate       *Kec overy Qualifier       Limits       70.130       16       10		MS	MS													
o-Terphenyl         83         70.130           Lab Sample ID: 880-52508-1 MSD Matrix: Solid Analysis Batch: 99130         Client Sample ID: S-1 (S Prep Type: Total/A Prep Batch: 9939           Analysis Batch: 99130         Sample Sample Result Qualifier         MSD MSD         MSD Prep Batch: 9939           Analyse         Result Qualifier         Unit         D         9 %Rec         RR           Gasoline Range Organics         <50.0         U         9 97         1055         F2         mg/Kg         102         70.130         42           Gasoline Range Organics (Over (GRO)-C8-C10         WSD         MSD         mg/Kg         102         70.130         42           Surrogate         %Recovery         Qualifier         Limits         102         70.130         16           Surrogate         %Recovery         Qualifier         Limits         102         70.130         16           Surrogate         %Recovery         Qualifier         Limits         102         70.130         16           - Tchiorooctane         98         70.130         Prep Type: Solut         Prep Type: Solut         Prep Type: Solut           Analysis Batch: 98576         MB         MB         Prep Type: Solut         Prep Type: Solut           Analysis Batch: 98576 <th>Surrogate</th> <th>%Recovery</th> <th>Qua</th> <th>lifier</th> <th>Limits</th> <th></th>	Surrogate	%Recovery	Qua	lifier	Limits											
Lab Sample ID: 880-52508-1 MSD Matrix: Solid       Client Sample ID: S-1 (S Prep Type: Total/M Prep Batch: 989: Analysis Batch: 99130         Analysis Batch: 99130       Sample Sample Result Qualifier       Spike       MSD MSD       View C MSD       Limits Prep Type: Total/M Prep Batch: 989: (RRO)-C6-C10       Prep Type: Total/M Prep Batch: 989: (RRO)-C6-C10       D       %Rec       RPD Lin Result       Limits RPD       RPD Lin Result       Limits RPD       RPD Lin Result       Limits RPD       RPD       Lin Result       Result       Result </th <th>1-Chlorooctane</th> <th>86</th> <th></th> <th></th> <th>70 - 130</th> <th></th>	1-Chlorooctane	86			70 - 130											
Matrix: Solid Analysis Batch: 99130     Prep Type: Total M Prep Batch: 9982       Sample     Sample     Spike     MSD     MSD     Prep Batch: 9982       Analyte     Result     Qualifier     Added     Result     Qualifier     Unit     D     %Rec     Ker     Ker       Gasoline Range Organics     <50.0     U     F12     997     1053     F2     mg/Kg     102     70.130     42       GRO-Oc-G-C10     UF F2     997     876.0     mg/Kg     85     70.130     16       Surrogate     %Recovery     Qualifier     Limits     Client Sample ID: Method Blar       1-Chlorooctane     98     70.130     70.130     Prep Type: Solub       Analyte     Result     Qualifier     Limits       1-Chlorooctane     98     70.130     Prep Type: Solub       Analyte     Result     Qualifier     Limits       1-Chlorooctane     98     70.130     Prep Type: Solub       Analyte     Result     Qualifier     Limits       1-Chlorooctane     98     70.130     Prep Type: Solub       Analyte     Result     Qualifier     Result     MB       Analyte     Result     Qualifier     Result     MDL     Imit     P	o-Terphenyl	83			70 - 130											
Matrix: Solid Analysis Batch: 99130     Prep Type: Total M Prep Batch: 9982       Sample     Sample     Spike     MSD     MSD     Prep Batch: 9982       Analyte     Result     Qualifier     Added     Result     Qualifier     Unit     D     %Rec     Ker     Ker       Gasoline Range Organics     <50.0	- Lab Sample ID: 880-52508-1	MSD											(	Client Sam	ole ID: S	S-1 (9'
Analysis Batch: 99130       Prep Batch: 9894         Analyte       Result       Qualifier       Added       MSD       %Rec       Rt         Analyte       Result       Qualifier       Added       Result       Qualifier       Unit       D       %Rec       Rt         GRO)-C6-C10       UF1 F2       997       1053       F2       mg/Kg       102       70 - 130       42       42         Desel Range Organics (Over       <50.0																
SampleSampleSpikeMSDMSD%RecRillAnalyteResultQualifierAddedResultQualifierUnitD%RecLimitsRPDLinitsGasoline Range Organics<50.0																
Gasoline Range Organics         <50.0		Sample	Sam	ple	Spike		MSD	MSC	)							RPI
Gasoline Range Organics         <50.0	Analyte						Result	Qua	lifier	Unit		D	%Rec	Limits	RPD	Limi
Diese Range Organics (Over C10-C28)             MSD C10-C28)     MSD MSD (20-C728)     MSD MSD (20-C728)     MSD (20-C728)     MSD (20-C72	Gasoline Range Organics	<50.0	U F1	F2	997		1053	F2		mg/Kg		_	102	70 - 130	42	2
C10-C28) MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 98 70.130 o-Terphenyl 95 70.130 Wethod: 300.0 - Anions, Ion Chromatography Lab Sample ID: MB 880-98551/1-A Matrix: Solid Analysis Batch: 98576 MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil F Chloride <10.0 U 10.0 mg/Kg D Prepared Analyzed Dil F Chloride 12/24/24 15:39 Lab Sample ID: LCS 880-98551/2-A Matrix: Solid Analysis Batch: 98576 Spike LCS LCS %Rec	· /															
Surrogate       %Recovery       Qualifier       Limits         1-Chlorooctane       98       70.130         o-Terphenyl       95       70.130         Method:       300.0 - Anions, Ion Chromatography         Lab Sample ID: MB 880-98551/1-A       Client Sample ID: Method Blar         Matrix: Solid       Prep Type: Solub         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed       Dil F         Chloride       <10.0		<50.0	U		997		876.0			mg/Kg			85	70 - 130	16	2
1-Chlorooctane       98       70.130         o-Terphenyl       95       70.130         Method: 300.0 - Anions, Ion Chromatography       Client Sample ID: MB 880-98551/1-A         Lab Sample ID: MB 880-98551/1-A       Client Sample ID: Method Blan         Matrix: Solid       Prep Type: Solub         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed       Dil F         Chloride       <10.0		MSD	MSD	)												
o-Terphenyl       95       70 - 130         Method: 300.0 - Anions, Ion Chromatography       Image: Client Sample ID: MB 880-98551/1-A         Lab Sample ID: MB 880-98551/1-A       Image: Client Sample ID: Method Blan         Matrix: Solid       Prep Type: Solub         Analyte       Result       Qualifier         Chloride       <10.0	Surrogate	%Recovery	Qua	lifier	Limits											
Method: 300.0 - Anions, Ion Chromatography         Lab Sample ID: MB 880-98551/1-A       Client Sample ID: Method Blar         Matrix: Solid       Prep Type: Solub         Analysis Batch: 98576       MB         Matrix: Chloride       Result         Qualifier       RL         VID       10.0         Matrix: Solid       MDL         U       10.0         Matrix: Solid       Prepared         Analysis Batch: 98576       Spike         Lab Sample ID: LCS 880-98551/2-A       Client Sample ID: Lab Control Samp         Matrix: Solid       Prep Type: Solub         Analysis Batch: 98576       Spike       LCS LCS	1-Chlorooctane	98			70 - 130											
Lab Sample ID: MB 880-98551/1-A     Client Sample ID: Method Blan       Matrix: Solid     Prep Type: Solub       Analysis Batch: 98576     MB       Matrix: Solid     Qualifier       Chloride     <10.0	o-Terphenyl	95			70 - 130											
MB       MB         Analyte       Result       Qualifier       RL       MDL       Unit       D       Prepared       Analyzed       Dil F         Chloride       <10.0       U       10.0       10.0       mg/Kg       D       Prepared       Analyzed       Dil F         Lab Sample ID: LCS 880-98551/2-A       Katrix: Solid       Katrix: Solid       Frep Type: Solub         Analysis Batch: 98576       Spike       LCS LCS       %Rec	Lab Sample ID: MB 880-985 Matrix: Solid		ogr	aphy									Client S			
Analyte ChlorideResult <10.0Qualifier URL 10.0MDL mg/KgUnit mg/KgD PreparedAnalyzed AnalyzedDil F Dil F Dil FLab Sample ID: LCS 880-98551/2-A Matrix: Solid Analysis Batch: 98576<	Analysis Batch. 90570		мр	MD												
Chloride <10.0 U 10.0 mg/Kg 12/24/24 15:39 Lab Sample ID: LCS 880-98551/2-A Client Sample ID: Lab Control Samp Matrix: Solid Prep Type: Solub Analysis Batch: 98576 Spike LCS LCS %Rec	Analyto	Б				ы		мпі	Unit		п	Б	roparod	Analyz	od	
Matrix: Solid     Prep Type: Solub       Analysis Batch: 98576     Spike     LCS LCS     %Rec	-			-						3	<u> </u>	F	repareu			DIIFa
Matrix: Solid     Prep Type: Solub       Analysis Batch: 98576     Spike     LCS LCS     %Rec	-															
Analysis Batch: 98576 Spike LCS LCS %Rec		551/2-A									CI	ient	Sample			
Spike LCS LCS %Rec														Prep	Type: S	olubl
	Analysis Batch: 98576				<b>.</b>											

Analyte	Added	Result	Qualifier	Unit	U	%Rec	Limits		
Chloride	250	264.8		mg/Kg		106	90 - 110		
Lab Sample ID: LCSD 880-98551/3-A				Clier	nt Sam	ple ID:	Lab Contro	ol Sample	e Dup
Matrix: Solid							Prep	Type: So	Juble
Analysis Batch: 98576									
	Spike	LCSD	LCSD				%Rec		RPD

		Spike	LCSD	LCSD
Analyte		Added	Result	Qualifier
Chloride		250	265.1	

RPD

0

Limit

20

%Rec

106

Limits

90 - 110

D

Unit

mg/Kg

Job ID: 880-52508-1

## **QC Association Summary**

Client: Crain Environmental Project/Site: Chem State #1 Job ID: 880-52508-1

### **GC VOA**

### Analysis Batch: 98353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52508-1	S-1 (9')	Total/NA	Solid	8021B	98435
880-52508-2	S-11 (0-4')	Total/NA	Solid	8021B	98435
880-52508-3	S-11 (4-9')	Total/NA	Solid	8021B	98435
880-52508-4	S-12 (0-4')	Total/NA	Solid	8021B	98435
880-52508-5	S-12 (4-9')	Total/NA	Solid	8021B	98435
880-52508-6	S-13 (0-4')	Total/NA	Solid	8021B	98435
880-52508-7	S-13 (4-9')	Total/NA	Solid	8021B	98435
880-52508-8	S-14 (0-4')	Total/NA	Solid	8021B	98435
MB 880-98435/5-A	Method Blank	Total/NA	Solid	8021B	98435
LCS 880-98435/1-A	Lab Control Sample	Total/NA	Solid	8021B	98435
LCSD 880-98435/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98435

### Prep Batch: 98435

000-02000-7	3-13 (4-9)	Total/INA	Solid	0021B	96435	
880-52508-8	S-14 (0-4')	Total/NA	Solid	8021B	98435	8
MB 880-98435/5-A	Method Blank	Total/NA	Solid	8021B	98435	
LCS 880-98435/1-A	Lab Control Sample	Total/NA	Solid	8021B	98435	9
LCSD 880-98435/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98435	
Prep Batch: 98435						10
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	11
880-52508-1	S-1 (9')	Total/NA	Solid	5035		
880-52508-2	S-11 (0-4')	Total/NA	Solid	5035		12
880-52508-3	S-11 (4-9')	Total/NA	Solid	5035		
880-52508-4	S-12 (0-4')	Total/NA	Solid	5035		4.0
880-52508-5	S-12 (4-9')	Total/NA	Solid	5035		13
880-52508-6	S-13 (0-4')	Total/NA	Solid	5035		
880-52508-7	S-13 (4-9')	Total/NA	Solid	5035		14
880-52508-8	S-14 (0-4')	Total/NA	Solid	5035		
MB 880-98435/5-A	Method Blank	Total/NA	Solid	5035		
LCS 880-98435/1-A	Lab Control Sample	Total/NA	Solid	5035		
LCSD 880-98435/2-A	Lab Control Sample Dup	Total/NA	Solid	5035		

### Analysis Batch: 98502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52508-1	S-1 (9')	Total/NA	Solid	Total BTEX	
880-52508-2	S-11 (0-4')	Total/NA	Solid	Total BTEX	
880-52508-3	S-11 (4-9')	Total/NA	Solid	Total BTEX	
880-52508-4	S-12 (0-4')	Total/NA	Solid	Total BTEX	
880-52508-5	S-12 (4-9')	Total/NA	Solid	Total BTEX	
880-52508-6	S-13 (0-4')	Total/NA	Solid	Total BTEX	
880-52508-7	S-13 (4-9')	Total/NA	Solid	Total BTEX	
880-52508-8	S-14 (0-4')	Total/NA	Solid	Total BTEX	

### GC Semi VOA

### Prep Batch: 98956

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-52508-1	S-1 (9')	Total/NA	Solid	8015NM Prep	
880-52508-2	S-11 (0-4')	Total/NA	Solid	8015NM Prep	
880-52508-3	S-11 (4-9')	Total/NA	Solid	8015NM Prep	
880-52508-4	S-12 (0-4')	Total/NA	Solid	8015NM Prep	
880-52508-5	S-12 (4-9')	Total/NA	Solid	8015NM Prep	
880-52508-6	S-13 (0-4')	Total/NA	Solid	8015NM Prep	
880-52508-7	S-13 (4-9')	Total/NA	Solid	8015NM Prep	
880-52508-8	S-14 (0-4')	Total/NA	Solid	8015NM Prep	
MB 880-98956/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98956/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	

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### Released to Imaging: 4/25/2025 3:04:33 PM

## **QC** Association Summary

Client: Crain Environmental Project/Site: Chem State #1

### GC Semi VOA (Continued)

### Prep Batch: 98956 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-98956/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52508-1 MS	S-1 (9')	Total/NA	Solid	8015NM Prep	
880-52508-1 MSD	S-1 (9')	Total/NA	Solid	8015NM Prep	

### Analysis Batch: 99130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52508-1	S-1 (9')	Total/NA	Solid	8015B NM	98956
880-52508-2	S-11 (0-4')	Total/NA	Solid	8015B NM	98956
880-52508-3	S-11 (4-9')	Total/NA	Solid	8015B NM	98956
880-52508-4	S-12 (0-4')	Total/NA	Solid	8015B NM	98956
880-52508-5	S-12 (4-9')	Total/NA	Solid	8015B NM	98956
880-52508-6	S-13 (0-4')	Total/NA	Solid	8015B NM	98956
880-52508-7	S-13 (4-9')	Total/NA	Solid	8015B NM	98956
880-52508-8	S-14 (0-4')	Total/NA	Solid	8015B NM	98956
MB 880-98956/1-A	Method Blank	Total/NA	Solid	8015B NM	98956
LCS 880-98956/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98956
LCSD 880-98956/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98956
880-52508-1 MS	S-1 (9')	Total/NA	Solid	8015B NM	98956
880-52508-1 MSD	S-1 (9')	Total/NA	Solid	8015B NM	98956

### Analysis Batch: 99340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52508-1	S-1 (9')	Total/NA	Solid	8015 NM	
880-52508-2	S-11 (0-4')	Total/NA	Solid	8015 NM	
880-52508-3	S-11 (4-9')	Total/NA	Solid	8015 NM	
880-52508-4	S-12 (0-4')	Total/NA	Solid	8015 NM	
880-52508-5	S-12 (4-9')	Total/NA	Solid	8015 NM	
880-52508-6	S-13 (0-4')	Total/NA	Solid	8015 NM	
880-52508-7	S-13 (4-9')	Total/NA	Solid	8015 NM	
880-52508-8	S-14 (0-4')	Total/NA	Solid	8015 NM	

### HPLC/IC

### Leach Batch: 98551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-52508-1	S-1 (9')	Soluble	Solid	DI Leach	
880-52508-2	S-11 (0-4')	Soluble	Solid	DI Leach	
880-52508-3	S-11 (4-9')	Soluble	Solid	DI Leach	
880-52508-4	S-12 (0-4')	Soluble	Solid	DI Leach	
880-52508-5	S-12 (4-9')	Soluble	Solid	DI Leach	
880-52508-6	S-13 (0-4')	Soluble	Solid	DI Leach	
880-52508-7	S-13 (4-9')	Soluble	Solid	DI Leach	
880-52508-8	S-14 (0-4')	Soluble	Solid	DI Leach	
MB 880-98551/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98551/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98551/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52508-1	S-1 (9')	Soluble	Solid	300.0	98551
880-52508-2	S-11 (0-4')	Soluble	Solid	300.0	98551

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Job ID: 880-52508-1

## **QC Association Summary**

Client: Crain Environmental Project/Site: Chem State #1

HPLC/IC (Continued)

### Analysis Batch: 98576 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52508-3	S-11 (4-9')	Soluble	Solid	300.0	98551
880-52508-4	S-12 (0-4')	Soluble	Solid	300.0	98551
880-52508-5	S-12 (4-9')	Soluble	Solid	300.0	98551
880-52508-6	S-13 (0-4')	Soluble	Solid	300.0	98551
880-52508-7	S-13 (4-9')	Soluble	Solid	300.0	98551
880-52508-8	S-14 (0-4')	Soluble	Solid	300.0	98551
MB 880-98551/1-A	Method Blank	Soluble	Solid	300.0	98551
LCS 880-98551/2-A	Lab Control Sample	Soluble	Solid	300.0	98551
LCSD 880-98551/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98551

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Job ID: 880-52508-1

## Lab Sample ID: 880-52508-1

Matrix: Solid

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Client: Crain Environmental Project/Site: Chem State #1

### Client Sample ID: S-1 (9') Date Collected: 12/18/24 09:45 Date Received: 12/19/24 13:52

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	98435	12/20/24 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 13:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98502	12/20/24 13:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			99340	12/31/24 20:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98956	12/27/24 13:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99130	12/31/24 20:51	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98551	12/21/24 14:11	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98576	12/24/24 16:20	СН	EET MID

## Lab Sample ID: 880-52508-2

Lab Sample ID: 880-52508-3

Lab Sample ID: 880-52508-4

Matrix: Solid

Matrix: Solid

### Date Collected: 12/18/24 09:50 Date Received: 12/19/24 13:52

Client Sample ID: S-11 (0-4')

	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	98435	12/20/24 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 14:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98502	12/20/24 14:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			99340	12/31/24 21:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	98956	12/27/24 13:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99130	12/31/24 21:52	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	98551	12/21/24 14:11	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98576	12/24/24 16:26	СН	EET MID

### Client Sample ID: S-11 (4-9') Date Collected: 12/18/24 09:55 Date Received: 12/19/24 13:52

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	98435	12/20/24 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 14:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98502	12/20/24 14:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			99340	12/31/24 22:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	98956	12/27/24 13:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99130	12/31/24 22:13	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	98551	12/21/24 14:11	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98576	12/24/24 16:32	СН	EET MID

### Client Sample ID: S-12 (0-4') Date Collected: 12/18/24 10:00 Date Received: 12/19/24 13:52

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	98435	12/20/24 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 16:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98502	12/20/24 16:08	SM	EET MID

**Eurofins Midland** 

Matrix: Solid

Job ID: 880-52508-1

## Lab Sample ID: 880-52508-4

Lab Sample ID: 880-52508-5

Matrix: Solid

Matrix: Solid

Date Collected: 12/18/24 10:00 Date Received: 12/19/24 13:52

Client Sample ID: S-12 (0-4')

Client: Crain Environmental

Project/Site: Chem State #1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			99340	12/31/24 22:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98956	12/27/24 13:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99130	12/31/24 22:33	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	98551	12/21/24 14:11	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98576	12/24/24 16:50	СН	EET MID

### Client Sample ID: S-12 (4-9') Date Collected: 12/18/24 10:05 Date Received: 12/19/24 13:52

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	98435	12/20/24 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 16:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98502	12/20/24 16:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			99340	12/31/24 22:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	98956	12/27/24 13:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99130	12/31/24 22:54	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	98551	12/21/24 14:11	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98576	12/24/24 16:56	СН	EET MID

### Client Sample ID: S-13 (0-4')

Date Collected: 12/18/24 10:10 Date Received: 12/19/24 13:52

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	98435	12/20/24 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 16:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98502	12/20/24 16:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			99340	12/31/24 23:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98956	12/27/24 13:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99130	12/31/24 23:14	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	98551	12/21/24 14:11	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98576	12/24/24 17:02	СН	EET MID

### Client Sample ID: S-13 (4-9') Date Collected: 12/18/24 10:15

Date	Received:	12/19/24	13:52

	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	98435	12/20/24 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 17:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98502	12/20/24 17:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			99340	12/31/24 23:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	98956	12/27/24 13:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99130	12/31/24 23:34	SM	EET MID

**Eurofins Midland** 

Matrix: Solid

Lab Sample ID: 880-52508-6

Lab Sample ID: 880-52508-7

Matrix: Solid

### Lab Chronicle

Client: Crain Environmental Project/Site: Chem State #1

### Client Sample ID: S-13 (4-9') Date Collected: 12/18/24 10:15

	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	98551	12/21/24 14:11	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98576	12/24/24 17:08	СН	EET MID

### Client Sample ID: S-14 (0-4') Date Collected: 12/18/24 10:20 Date Received: 12/19/24 13:52

## Lab Sample ID: 880-52508-8 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			4.98 g	5 mL	98435	12/20/24 08:33	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98353	12/20/24 17:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98502	12/20/24 17:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			99340	12/31/24 23:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	98956	12/27/24 13:36	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	99130	12/31/24 23:54	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	98551	12/21/24 14:11	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	98576	12/24/24 17:13	СН	EET MID

### Laboratory References:

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

 Job ID: 880-52508-1

 Lab Sample ID: 880-52508-7

 Matrix: Solid

 Prepared

 or Analyzed

 Analyst

 Lab

 EET MID

9

Eurofins Midland

Accreditation/Certification Summary

Client: Crain Environmental Project/Site: Chem State #1

### 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	NELAF	כ	T104704400	06-30-25
	s are included in this report but	t the laboratory is not certit		
for which the agency	does not offer certification.		ed by the governing authority. This lis Analyte	t may include analytes
0,		Matrix Solid	ed by the governing authority. This iis	t may include analytes

Eurofins Midland

1/2/2025

10

Job ID: 880-52508-1

## **Method Summary**

Client: Crain Environmental Project/Site: Chem State #1 Job ID: 880-52508-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
3015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

### Laboratory References:

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

## Sample Summary

Client: Crain Environmental Project/Site: Chem State #1

nple Summary		
Job ID: 880-5	2508-1	

ab Sample ID.	Client Sample ID	Matrix	Collected	Received	Depth	
80-52508-1	S-1 (9')	Solid	12/18/24 09:45	12/19/24 13:52	9	_
80-52508-2	S-11 (0-4')	Solid	12/18/24 09:50	12/19/24 13:52	0 - 4	
80-52508-3	S-11 (4-9')	Solid	12/18/24 09:55	12/19/24 13:52	4 - 9	. 4
880-52508-4	S-12 (0-4')	Solid	12/18/24 10:00	12/19/24 13:52	0 - 4	
80-52508-5	S-12 (4-9')	Solid	12/18/24 10:05	12/19/24 13:52	4 - 9	
80-52508-6	S-13 (0-4')	Solid	12/18/24 10:10	12/19/24 13:52	0 - 4	
880-52508-7	S-13 (4-9')	Solid	12/18/24 10:15	12/19/24 13:52	4 - 9	
80-52508-8	S-14 (0-4')	Solid	12/18/24 10:20	12/19/24 13:52	0 - 4	
						1
						1

ork O 880-52508 Chain of Custody	Work Order Comments	PRP     Brownfields     RRC     Superfund		Level III PST/UST TRRP Level IV	ADaPT Other:	Preservative Codes	None: NO DI Water: H <sub>2</sub> O	ol	H2L: HC HNO 3: HN H 250 4: H 2 NaOH: Na	H <sub>3</sub> PO 4: HP	NaHSO 4: NABIS	Na 25 203; NaSO 3	Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	Sample Comments									- 2	Se Ag SiO <sub>2</sub> Na Sr TI Sn U V Zn Hg:1631/245.1/7470/7471		Received by: (Signature) Date/Time		
Chain OI Custody Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Chris Cadaly	Octane Derogram: UST/PST	310 W. Wall, Ste. 30.0 State of Project: NM	Midlard. 7X 79701 Reporting: Level III Level III		ANALYSIS REQUEST							p	7.1.8 9(4) 4.1.1										¥	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from clitent 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 an y responsibility for any bases or expenses incurred by the client if such losses are due to circumstances beyond the control of service. A minimum change of \$55.00 will be applied to each project and a char ge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	pate/Time Relinquished by: (Signature) Received	124 13.52	2
Houston TX (28) Midland, TX (432) 7 EL Paso, TX (915) Hobbs, NM (575)	Bill to: (if different)	Company Name:		City, State ZIP:	Email: Cindy, Crevin & gmail. Lon	Turn Around	ne 🗌 Rush Code	:e:	TAT starts the day received by the lab, if received by 4:30pm	sters		ed P	77	Depth Grab/ # of	5 9' C	0 0.4' 1 1	5 4.9'	1 10-41	5 4.4'	9	1. N 1. V U	+ +	_	A 13PPM Texas 11 AI Sb A TCLP / SPLP 6010 : 8RCRA Sb ,	e order from chent company to Eurofins ) responsibility for any losses or expenses is of \$5 for each sample submitted to Eurofi	ityre) 0 0	11/2 12/11	
<b>NS</b> Environment Testing Xenco	Cindy Prain	5	V	Oblesso, TX 79761	11-7244	Chen State #1 1		P. Co., N.M. Due Date:	indy Urain TAT starts	Temp Blank: Yes No Wet Ice:	F	Z	Yes No (N/A) Temperature Reading: Corrected Temperature:	Matrix	3	-		1000	2001		5/0/ 1 10/0			Total 200.7 / 6010 200.8 / 6020: 8RCRA 13 Circle Method(s) and Metal(s) to be analyzed TCLP	rt and relinquishment of samples constitutes a valid purch's lable only for the cost of samples and shall not assume arry i arge of \$55.00 will be applied to each project and a charge c	gnature) Refeived by: (Si Jnatyre)	air to hay Party	3
🛟 eurofins	Project Manager:	Company Name:		City, State ZIP:	Phone:	Project Name:	Project Number:	Project Location:	Sampler's Name: C	SAMPLE RECEIPT	Samples Received Intact:	Cooler Custody Seals:	Sample Custody Seals: Total Containers:	Sample Identification	5-1 (9.)	5-11 (0-4.)	5-11 14-9.	5-12 (0-4.)	-	-13 (0	7			Total 200.7 / 6010 Circle Method(s) and	otce: Signature of this documer service. Eurofins Xenco will be Eurofins Xenco. A minimum ch.	Relinguished by: (Signature)	(inty la	

1/2/2025

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4 5 6

13 14

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Job Number: 880-52508-1

List Source: Eurofins Midland

### Login Sample Receipt Checklist

Client: Crain Environmental

### Login Number: 52508 List Number: 1

Creator: Lee, Randell

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	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Received by OCD: 3/26/2025 8:20:29 PM



**Environment Testing** 

# **ANALYTICAL REPORT**

# **PREPARED FOR**

Attn: Cindy Crain Crain Environmental 2925 E. 17th St. Odessa, Texas 79761 Generated 2/28/2025 7:47:13 PM

JOB DESCRIPTION

Chem State #1 Lea Co. NM

# **JOB NUMBER**

880-54893-1

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

AMER

Generated 2/28/2025 7:47:13 PM

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

Eurofins Midland is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

Laboratory Job ID: 880-54893-1 SDG: Lea Co. NM

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## **Definitions/Glossary**

**Client: Crain Environmental** Project/Site: Chem State #1 Job ID: 880-54893-1 SDG: Lea Co. NM

## Qualifiore

Qualifiers		3
GC VOA		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VO	Α	
Qualifier	Qualifier Description	
S1-	Surrogate recovery exceeds control limits, low biased.	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
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.	
<del>☆</del>	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**

Job ID: 880-54893-1

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### Job ID: 880-54893-1

### **Eurofins Midland**

Job Narrative 880-54893-1

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 sample was received on 2/26/2025 8:35 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C.

### GC VOA

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

### **Diesel Range Organics**

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: S-15 (9') (880-54893-1). Evidence of matrix interferences is not obvious.

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

### HPLC/IC

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

## **Client Sample Results**

Client: Crain Environmental Project/Site: Chem State #1

### Client Sample ID: S-15 (9') Date Collected: 02/25/25 13:30 Date Received: 02/26/25 08:35 Sample Depth: 9'

Method: SW846 8021B - Volat	-	Qualifier	וח	MD	Unit	<b>P</b>	Dronered	Analyzed	
Analyte			RL	MDL		D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200		0.00200		mg/Kg		02/27/25 08:08	02/27/25 14:49	1
Toluene	< 0.00200		0.00200		mg/Kg		02/27/25 08:08	02/27/25 14:49	1
Ethylbenzene	<0.00200		0.00200		mg/Kg				1
m-Xylene & p-Xylene	<0.00399		0.00399		mg/Kg		02/27/25 08:08	02/27/25 14:49	1
o-Xylene	<0.00200		0.00200		mg/Kg		02/27/25 08:08	02/27/25 14:49	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:08	02/27/25 14:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				02/27/25 08:08	02/27/25 14:49	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/27/25 08:08	02/27/25 14:49	1
- Method: TAL SOP Total BTEX	- Total BTE	X Calculat	ion						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	< 0.00399		0.00399		mg/Kg			02/27/25 14:49	1
Total BTEX	~0.00599	0	0.00399		mg/ng			02/2//20 11/0	
Ξ					ilig/itg			02/21/20 1110	
Method: SW846 8015 NM - Di Analyte	esel Range (			MDL	Unit	D	Prepared	Analyzed	Dil Fac
_ Method: SW846 8015 NM - Di	esel Range (	Organics ( Qualifier	DRO) (GC)	MDL	0 0	D	Prepared		Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH	esel Range Result <49.8	Organics ( Qualifier	DRO) (GC) RL 49.8	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	esel Range ( Result <49.8	Organics ( Qualifier	DRO) (GC) RL 49.8		Unit	D 	<u>`</u>	Analyzed 02/27/25 22:26	Dil Fac 1 Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - Die Analyte	esel Range ( Result <49.8	Organics ( Qualifier U e Organics Qualifier	DRO) (GC) <u>RL</u> 49.8 (DRO) (GC)		Unit mg/Kg Unit		Prepared <u>Prepared</u> 02/26/25 10:50	Analyzed	1
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - D	esel Range ( Result <49.8 Diesel Range Result	Organics ( Qualifier U e Organics Qualifier	DRO) (GC) <u>RL</u> 49.8 (DRO) (GC) <u>RL</u>		Unit mg/Kg		Prepared	Analyzed 02/27/25 22:26 Analyzed	1 Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	esel Range ( Result <49.8 Diesel Range Result	Organics ( Qualifier U e Organics Qualifier U	DRO) (GC) <u>RL</u> 49.8 (DRO) (GC) <u>RL</u>		Unit mg/Kg Unit		Prepared 02/26/25 10:50	Analyzed 02/27/25 22:26 Analyzed	1 Dil Fac
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10	esel Range Result <49.8 Diesel Range Result <49.8	Drganics ( Qualifier U e Organics Qualifier U	DRO) (GC) <u>RL</u> 49.8 (DRO) (GC) <u>RL</u> 49.8 		Unit mg/Kg Unit mg/Kg		Prepared 02/26/25 10:50 02/26/25 10:50	Analyzed 02/27/25 22:26 Analyzed 02/27/25 22:26	1 <b>Dil Fac</b> 1
Method: SW846 8015 NM - Die Analyte Total TPH Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	esel Range Result <49.8 Diesel Range Result <49.8 <49.8	Drganics ( Qualifier U e Organics Qualifier U U	DRO) (GC) <u>RL</u> 49.8 (DRO) (GC) <u>RL</u> 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/26/25 10:50 02/26/25 10:50	Analyzed 02/27/25 22:26 Analyzed 02/27/25 22:26 02/27/25 22:26	1 Dil Fac 1
Method: SW846 8015 NM - Dia Analyte Total TPH Method: SW846 8015B NM - Dia Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	esel Range Result <49.8 Diesel Range Result <49.8 <49.8 <49.8	Drganics ( Qualifier U e Organics Qualifier U U	DRO) (GC) <u>RL</u> 49.8 (DRO) (GC) <u>RL</u> 49.8 49.8 49.8		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/26/25 10:50 02/26/25 10:50 02/26/25 10:50	Analyzed 02/27/25 22:26 Analyzed 02/27/25 22:26 02/27/25 22:26 02/27/25 22:26	1 Dil Fac 1 1 1
Method: SW846 8015 NM - Dia Analyte Total TPH Method: SW846 8015B NM - Dia Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	esel Range Result <49.8 Diesel Range Result <49.8 <49.8 <49.8 <49.8 %Recovery 80	Drganics ( Qualifier U e Organics Qualifier U U	DRO) (GC) <u>RL</u> 49.8 (DRO) (GC) <u>RL</u> 49.8 49.8 49.8 Limits		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/26/25 10:50 02/26/25 10:50 02/26/25 10:50 Prepared 02/26/25 10:50	Analyzed 02/27/25 22:26 Analyzed 02/27/25 22:26 02/27/25 22:26 02/27/25 22:26 Analyzed	1 Dil Fac 1 1 1 1 Dil Fac
Method: SW846 8015 NM - Dia Analyte Total TPH Method: SW846 8015B NM - Dia Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	esel Range Result <49.8 Diesel Range Result <49.8 <49.8 <49.8 <49.8 %Recovery 80 68	Organics ( Qualifier U e Organics Qualifier U U U Qualifier S1-	DRO) (GC) <u>RL</u> 49.8 (DRO) (GC) <u>RL</u> 49.8 49.8 49.8 <u>Limits</u> 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/26/25 10:50 02/26/25 10:50 02/26/25 10:50 Prepared 02/26/25 10:50	Analyzed 02/27/25 22:26 Analyzed 02/27/25 22:26 02/27/25 22:26 02/27/25 22:26 Analyzed 02/27/25 22:26	1 Dil Fac 1 1 1 1 Dil Fac
Method: SW846 8015 NM - Dia Analyte Total TPH Method: SW846 8015B NM - Dia Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	esel Range Result <49.8 Diesel Range Result <49.8 <49.8 <49.8 <49.8 %Recovery 80 68	Organics ( Qualifier U e Organics Qualifier U U U Qualifier S1-	DRO) (GC) <u>RL</u> 49.8 (DRO) (GC) <u>RL</u> 49.8 49.8 49.8 <u>Limits</u> 70 - 130 70 - 130	MDL	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/26/25 10:50 02/26/25 10:50 02/26/25 10:50 Prepared 02/26/25 10:50	Analyzed 02/27/25 22:26 Analyzed 02/27/25 22:26 02/27/25 22:26 02/27/25 22:26 Analyzed 02/27/25 22:26	1 Dil Fac 1 1 1 1 Dil Fac

2/28/2025

Job ID: 880-54893-1 SDG: Lea Co. NM

## Lab Sample ID: 880-54893-1

Matrix: Solid

5

Client: Crain Environmental Project/Site: Chem State #1

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

			Percent Surrogate R	Recovery (Acceptance Limits)
		BFB1	DFBZ1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-54893-1	S-15 (9')	104	99	
CS 880-103801/1-A	Lab Control Sample	95	108	
CSD 880-103801/2-A	Lab Control Sample Dup	98	107	
IB 880-103801/5-A	Method Blank	98	93	
Surrogate Legend				
BFB = 4-Bromofluorob	( )			
DFBZ = 1,4-Difluorobe	nzene (Surr)			
ethod: 8015B N	M - Diesel Range Org	anics (DR	(O) (GC)	
atrix: Solid				Prep Type: Total/N

		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-54893-1	S-15 (9')	80	68 S1-	
LCS 880-103737/2-A	Lab Control Sample	94	84	
LCSD 880-103737/3-A	Lab Control Sample Dup	93	83	13
MB 880-103737/1-A	Method Blank	120	107	
Surrogate Legend				
1CO = 1-Chlorooctane				

OTPH = o-Terphenyl

Job ID: 880-54893-1 SDG: Lea Co. NM

Prep Type: Total/NA

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Eurofins Midland

**Client: Crain Environmental** Project/Site: Chem State #1

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

Lab Sample ID: MB 880-103801/5-A
Matrix: Solid
Analysis Batch: 103809

	МВ	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:08	02/27/25 11:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:08	02/27/25 11:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:08	02/27/25 11:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/27/25 08:08	02/27/25 11:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:08	02/27/25 11:44	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/27/25 08:08	02/27/25 11:44	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				02/27/25 08:08	02/27/25 11:44	1
1,4-Difluorobenzene (Surr)	93		70 - 130				02/27/25 08:08	02/27/25 11:44	1

### Lab Sample ID: LCS 880-103801/1-A Matrix: Solid Analysis Batch: 103809

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	0.100	0.1046		mg/Kg		105	70 - 130
Toluene	0.100	0.09509		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130
m-Xylene & p-Xylene	0.200	0.2134		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1065		mg/Kg		107	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

### Lab Sample ID: LCSD 880-103801/2-A Matrix: Solid

### Analysis Batch: 103809 Prep Batch: 103801 LCSD LCSD RPD Spike %Rec Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit Benzene 0.100 0.09949 mg/Kg 99 70 - 130 5 35 Toluene 0.100 0.08941 mg/Kg 89 70 - 130 6 35 Ethylbenzene 0.100 0.09630 mg/Kg 96 70 - 130 7 35 0.200 7 m-Xylene & p-Xylene 0.1998 mg/Kg 100 70 - 130 35 o-Xylene 0.100 0.1013 mg/Kg 101 70 - 130 5 35

	LCSD L	CSD	
Surrogate	%Recovery Q	ualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

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### **Client Sample ID: Method Blank** Prep Type: Total/NA Prep Batch: 103801

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

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Prep Type: Total/NA Prep Batch: 103801

Prep Type: Total/NA

**Client: Crain Environmental** Project/Site: Chem State #1 Job ID: 880-54893-1 SDG: Lea Co. NM

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

Matrix: Solid Analysis Batch: 103814	737/1-A						С		le ID: Metho Prep Type: 1 Prep Batch:	otal/N
	М	в мв								
Analyte	Resu	It Qualifier	RL	N	IDL Unit		D	Prepared	Analyzed	Dil F
Gasoline Range Organics					mg/K			2/26/25 10:40	-	
(GRO)-C6-C10			0010			9			02,2.,200	
Diesel Range Organics (Over	<50.	0 U	50.0		mg/K	q	02	2/26/25 10:40	02/27/25 17:31	
C10-C28)					Ũ	•				
Oil Range Organics (Over C28-C36)	<50.	0 U	50.0		mg/K	g	02	2/26/25 10:40	02/27/25 17:31	
		B MB								
Surroacto		ы мы y Qualifier	Limits					Branarad	Analyzad	
Surrogate	<u>%Recover</u> 12	_					0	Prepared	Analyzed 02/27/25 17:31	Dil F
1-Chlorooctane										
o-Terphenyl	10	17	70 - 130				02	2/26/25 10:40	02/27/25 17:31	
Lab Sample ID: LCS 880-10 Matrix: Solid Analysis Batch: 103814	3737/2-A		Spike	LCS	LCS	Clie	nt S		Lab Control Prep Type: 1 Prep Batch: %Rec	otal/N
Analyte			Added	Result	Qualifier	Unit		D %Rec	Limits	
Gasoline Range Organics			1000	1189		mg/Kg			70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over C10-C28)			1000	1067		mg/Kg		107	70 - 130	
	LCS L	cs								
Surrogate	%Recovery Q	ualifier	Limits							
1-Chlorooctane	94		70 - 130							
o-Terphenyl	84		70 - 130							
-										
Lab Sample ID: LCSD 880-1 Matrix: Solid Analysis Batch: 103814	03737/3-A					Client Sa	amp		Control Sam Prep Type: 1 Prep Batch:	otal/N 10373
Matrix: Solid Analysis Batch: 103814	03737/3-A		Spike	LCSD	LCSD				Prep Type: Prep Batch: %Rec	otal/N 1037: Ri
Matrix: Solid Analysis Batch: 103814 Analyte	03737/3-A		Added	Result		Unit		D <u>%Rec</u>	Prep Type: 1 Prep Batch: %Rec Limits RP	<b>otal/N</b> 1037: RI D Lir
Matrix: Solid Analysis Batch: 103814 Analyte Gasoline Range Organics (GRO)-C6-C10	03737/3-A		•	Result 1147	LCSD	Unit mg/Kg			Prep Type: 1 Prep Batch: %Rec Limits RP 70 - 130	<b>otal/N</b> 1037: RI <u>D</u> Lir 4
Matrix: Solid Analysis Batch: 103814 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	03737/3-A		Added	Result	LCSD	Unit		D <u>%Rec</u>	Prep Type: 1 Prep Batch: %Rec Limits RP	<b>otal/N</b> 1037: RI D Lir
Matrix: Solid Analysis Batch: 103814	LCSD L		Added	Result 1147	LCSD	Unit mg/Kg		<b>D</b>	Prep Type: 1 Prep Batch: %Rec Limits RP 70 - 130	<b>otal/N</b> 1037: RI <u>D</u> Lir 4
Matrix: Solid Analysis Batch: 103814 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	LCSD L		Added	Result 1147	LCSD	Unit mg/Kg		<b>D</b>	Prep Type: 1 Prep Batch: %Rec Limits RP 70 - 130	<b>otal/N</b> 1037: RI <u>D</u> Lir 4
Matrix: Solid Analysis Batch: 103814 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)			Added	Result 1147	LCSD	Unit mg/Kg		<b>D</b>	Prep Type: 1 Prep Batch: %Rec Limits RP 70 - 130	<b>otal/N</b> 1037: RI <u>D</u> Lir 4
Matrix: Solid Analysis Batch: 103814 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	LCSD LCSD LC %Recovery Q 93		Added           1000           1000 <i>Limits</i> 70 - 130	Result 1147	LCSD	Unit mg/Kg		<b>D</b>	Prep Type: 1 Prep Batch: %Rec Limits RP 70 - 130	<b>otal/N</b> 1037: RI <u>D</u> Lir 4
Matrix: Solid Analysis Batch: 103814 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	LCSD Lo %Recovery Q 93 83	ualifier	Added 1000 1000 Limits 70 - 130 70 - 130	Result 1147	LCSD	Unit mg/Kg		<b>D</b>	Prep Type: 1 Prep Batch: %Rec Limits RP 70 - 130	<b>otal/N</b> 1037: RI <u>D</u> Lir 4
Matrix: Solid Analysis Batch: 103814 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Lab Sample ID: MB 880-103	LCSD Lo %Recovery Q 93 83 Ion Chron	ualifier	Added 1000 1000 Limits 70 - 130 70 - 130	Result 1147	LCSD	Unit mg/Kg		D %Rec	Prep Type: 1 Prep Batch: %Rec Limits RP 70 - 130 70 - 130	d Blar
Matrix: Solid Analysis Batch: 103814 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	LCSD Lo %Recovery Q 93 83 Ion Chron	ualifier	Added 1000 1000 Limits 70 - 130 70 - 130	Result 1147	LCSD	Unit mg/Kg		D %Rec	Prep Type: 1 Prep Batch: %Rec Limits RP 70 - 130 70 - 130	d Blar
Matrix: Solid Analysis Batch: 103814 Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Lab Sample ID: MB 880-103 Matrix: Solid	LCSD Lo %Recovery Q 93 83 Ion Chron 9756/1-A	ualifier	Added 1000 1000 Limits 70 - 130 70 - 130	Result 1147 1034	LCSD	Unit mg/Kg mg/Kg		D %Rec	Prep Type: 1 Prep Batch: %Rec Limits RP 70 - 130 70 - 130	d Blar

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**Client: Crain Environmental** Project/Site: Chem State #1

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

Lab Sample ID: LCS 880-7 Matrix: Solid	103756/2-A					Clier	nt Sa	mple ID	: Lab Cor Prep T		
Analysis Batch: 103850									TTOP 1	ype. oc	labic
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	261.4		mg/Kg		105	90 - 110		
Lab Sample ID: LCSD 880	-103756/3-A				C	Client Sa	mple	ID: Lab	Control	Sample	Dup
Matrix: Solid									Prep T	ype: So	oluble
Analysis Batch: 103850											
-			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	262.2		mg/Kg		105	90 - 110	0	20
Lab Sample ID: 880-54893	8-1 MS							Clier	t Sample	ID: S-1	5 (9')
Matrix: Solid									Prep T		
Analysis Batch: 103850											
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	30.3		249	294.9		mg/Kg		106	90 - 110		
Lab Sample ID: 880-54893	B-1 MSD							Clier	t Sample	ID: S-1	5 (9')
Matrix: Solid									Prep T		
Analysis Batch: 103850											
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	30.3		249	295.3		mg/Kg		106	90 - 110	0	20
# **QC Association Summary**

**Client: Crain Environmental** Project/Site: Chem State #1 Job ID: 880-54893-1

SDG: Lea Co. NM

### GC VOA

### Prep Batch: 103801

	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-54893-1	S-15 (9')	Total/NA	Solid	5035	
MB 880-103801/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103801/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103801/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
Analysis Batch: 1038	809				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54893-1	S-15 (9')	Total/NA	Solid	8021B	103801
MB 880-103801/5-A	Method Blank	Total/NA	Solid	8021B	103801
LCS 880-103801/1-A	Lab Control Sample	Total/NA	Solid	8021B	103801
LCSD 880-103801/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103801
Analysis Batch: 1040	)14				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54893-1	S-15 (9')	Total/NA	Solid	Total BTEX	
GC Semi VOA					
Prep Batch: 103737					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54893-1	S-15 (9')	Total/NA	Solid	8015NM Prep	
MB 880-103737/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103737/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103737/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
Analysis Batch: 1038	314				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54893-1	S-15 (9')	Total/NA	Solid	8015B NM	103737
MB 880-103737/1-A	Method Blank	Total/NA	Solid	8015B NM	103737
LCS 880-103737/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103737
LCSD 880-103737/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103737
LCSD 880-103737/3-A					
•	95				
nalysis Batch: 1039 Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
Analysis Batch: 1039		Prep Type Total/NA	Matrix Solid	Method 8015 NM	Prep Batch
- Analysis Batch: 1039 - Lab Sample ID	Client Sample ID				Prep Batch
Analysis Batch: 1039 Lab Sample ID 880-54893-1	Client Sample ID S-15 (9')				Prep Batch

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54893-1	880-54893-1 S-15 (9')		Solid	DI Leach	
MB 880-103756/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-103756/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-103756/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-54893-1 MS	S-15 (9')	Soluble	Solid	DI Leach	
880-54893-1 MSD	S-15 (9')	Soluble	Solid	DI Leach	
Analysis Batch: 1038	50				

Lab Sample ID 880-54893-1	Client Sample ID S-15 (9')	Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 103756
MB 880-103756/1-A	Method Blank	Soluble	Solid	300.0	103756
LCS 880-103756/2-A	Lab Control Sample	Soluble	Solid	300.0	103756

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# **QC Association Summary**

**Client: Crain Environmental** Project/Site: Chem State #1 Job ID: 880-54893-1 SDG: Lea Co. NM

### HPLC/IC (Continued)

### Analysis Batch: 103850 (Continued)

Analysis Batch: 103850 (Continued)									
-ab Sample ID -CSD 880-103756/3-A	Client Sample ID Lab Control Sample Dup	Prep Type Soluble	Matrix Solid	Method	Prep Batch 103756				
880-54893-1 MS	S-15 (9')	Soluble	Solid	300.0	103756				
80-54893-1 MSD	S-15 (9')	Soluble	Solid	300.0	103756				

**Eurofins Midland** 

### Client Sample ID: S-15 (9') Date Collected: 02/25/25 13:30 Date Received: 02/26/25 08:35

Job ID: 880-54893-1 SDG: Lea Co. NM

# Lab Sample ID: 880-54893-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103801	02/27/25 08:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103809	02/27/25 14:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104014	02/27/25 14:49	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103995	02/27/25 22:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103737	02/26/25 10:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103814	02/27/25 22:26	ткс	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103756	02/26/25 14:48	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103850	02/28/25 00:40	SMC	EET MID

#### Laboratory References:

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

**Eurofins Midland** 

Released to Imaging: 4/25/2025 3:04:33 PM

**Accreditation/Certification Summary** 

Client: Crain Environmental Project/Site: Chem State #1 Job ID: 880-54893-1 SDG: Lea Co. NM

### Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this labo			
Authority	Program	Identification Number	Expiration Date

xas	NELAF	0	T104704400	06-30-25
• •	s are included in this repor does not offer certification.		not certified by the governing a	uthority. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	

Page 184 of 249

5 6 7

10

Eurofins Midland

### **Method Summary**

Client: Crain Environmental Project/Site: Chem State #1 Job ID: 880-54893-1 SDG: Lea Co. NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

#### **Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

#### Laboratory References:

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

# **Sample Summary**

Client: Crain Environmental Project/Site: Chem State #1 Job ID: 880-54893-1 SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	3
880-54893-1	S-15 (9')	Solid	02/25/25 13:30		9'	4
						5
						6
						7
						8
						9
						10
						11
						12
						13
						14

880-54833 Chain of Custody	nments	PRP Brownfields RC Superfund		PST/UST TRRP Level IV	Other:	Preservative Codes	None: NO DI Water: H <sub>2</sub> O	Cool: Cool MeOH: Me HCL: HC HNO <sub>3</sub> : HN	H <sub>2</sub> S0 4: H 2 NaOH: Na	H <sub>3</sub> PO 4: HP	NaH5O 4: NABIS Na 25 203: NaSO 3	Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC	Sample Comments			TI Sn U V Zn /7470 /7471		Date/Time	
Worl 880-54893 0	No		roject: NM	Reporting: Level II 🗌 Level III 🗍 PS	Deliverables: EDD ADaPT												L I I Se Ag SiO <sub>2</sub> Na Sr Hg: 1631 / 245.1	littons vrtrol v negotiated.	Received by: (Signature)	
CIIdill OI CUSCOO Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Phris Goddy	Program:	Nall. Str. 300	K 79701	tem	ANALYSIS REQUEST					50	ייסקי. א:=	10/	47 21	X		AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K RA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard items and conditions of service: Eurofins Xenco, will be liable only for the cost of samples and shall not assume any rosses or expenses incurred by the client if such isses are due to circumstances beyond the control of service: Eurofins Xenco. Will be liable only for the cost of samples and shall not assume any rosses or expenses incurred by the client if such isses are due to circumstances beyond the control of terrofins Xenco. A minimum charge of \$50.00 vill be applied to each project and a charge of \$51 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	me Relinquished by: (Signature)	××××××××××××××××××××××××××××××××××××××
Houston, TX (281) 240-42 Houston, TX (432) 704-5440, Hobbs, NM (575) 392-7556		N			Crain		Pres. Code	py	1	neten	IEIE9	78	He	Grab/ # of Comp Cont	x 1 2			ompany to Eurofins Xenco, Its losses or expenses incurred b submitted to Eurofins Xenco.	Date/Time	2019/002
	Bill to: (if different)	Company Name:	Address:	City, State ZIP:	Email: Cindy.	Tum Around	Koutine Rush	Due Date: TAT starts the day received by	the lab, if received by 4:30pm	et Ice:			emperature:	Time Depth Sampled	1330 9'			alld purchase order from client co assume any responsibility for any rd a charge of \$5 for each sample	Received by: (Signature)	Z
S Environment Testing Xenco	indu Crain	5	10	Odessa, TX 79761	575) 441-7244	Chen State #1		Lea Co. NM			Yes No MA Correction Factor:	Yes No N/A Temperature Reading:	Corrected Temperature:	Matrix	5 2/25/25			d relinquishment of samples constitutes a t only for the cost of samples and shall not of \$85.00 will be applied to each project a	ture) Received t	ari.
🔅 eurofins	Project Manager:	2		ie ZIP:		Project Name:	er:	Project Location: Lea Sampler's Name: Cind	PO #:	SAMPLE RECEIPT	Samples Received Intact: Cooler Custody Seals:	Sample Custody Seals:	Total Containers:	Sample Identification	5-15 (9.)		Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	ritce: Signature of this document and service. Eurofins Xenco will be liable Eurofins Xenco. A minimum charge	Relinquished by: (Signature)	(indifia

### Login Sample Receipt Checklist

Client: Crain Environmental

#### Login Number: 54893 List Number: 1 Creator: Vasquez, Julisa

<6mm (1/4").

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	N/A	

Job Number: 880-54893-1 SDG Number: Lea Co. NM List Source: Eurofins Midland 5 6 7 8 9 10 11 12 13 14

.



**Appendix C: Photographic Documentation** 

#### Chem State #1 Appendix B



Well sign



View to W of initial investigation (3/12/24).



View of initial remediation (9/6/24).



View of excavation (9/26/24).



View of excavation (12/18/24).



View of excavation (12/18/24).



View of excavation (12/18/24).



View of excavation (12/18/24).

#### Chem State #1 Appendix B



View to NW of excavation (2/25/25).



View to SE of excavation (2/25/25).

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Appendix D: Waste Manifests

Received by OCD: 3/26/20	25 8:20:29 PM			Page 193 of 249
		<u> </u>		
·	NEW MEXICO NO	ON-HAZARDOUS OILFIELD W	ASTE MANIFEST / I	DISPOSAL TICKET
GM inc.	717	77		
		GENERAT	TOR	
Generator Name	ROIA			gin change the the
Address			-	
01. 01.1. 7iz				
City, State, Zip				
Phone No.				0
Company Man			AFE/PO No	
TRUCK TIM		DISPOSAL F	ACILITY	RECEIVING AREA
IN:OL	JT:			Name/No. Landfill
Site Name / Permit No. Com	nercial Landfill (NM-01-001	19)	Phone No. 57	5-347-0434
Address P.O. B	ox 1658 Roswell, NM 8820	2		
NORM Readings Tal	ken? (Circle One) YES	NO	If YES, was rea	ading > 50 micro roentgens? (Circle One) YES NO
Pass the Paint Filter	Test? (Circle One) YES	NO	1.1	
51		TRANSPO	and the second se	
Transporter's Name	Trimo			CSG Y
Address			Truck No.	A
and the second s			Bin No.	
Phone No.				
I hereby certify that the above na	amed material(s) was/were pic	ked up at the Generator's s	ite listed above an	d delivered without incident to the disposal facility listed below.
				24 VCAL Marlor
SHIPMENT DATE	DRIVER'S SIGNATU		DELIVERY	
			e volume next to	waste type in barrels or cubic yards)
Oil Based Muds		Fluid/Flowback ater (Non-Injectable)		OTHER EXEMPT WASTE
Oil Based Cuttings Water Based Muds		ne Water/Waste		
Water Based Cuttings	Cement Wat			
Produced Formation Solids	Truck Wash			OTHER NON-EXEMPT WASTE
Tank Bottoms	Trash & Deb	ns	1	
Gas Plant Waste _				
WASTE GENERATION PROCESS	Drilling	Completion	🗆 Pr	oduction Gathering Lines
(All non-exe		mpt E&P Waste/Service ed and be below the threshold		d Amount ICLP), ignition, corrosiveness, and reactivity.)
Non-Exempt Other:			*Please select	from Non-Exempt Waste List on back
QUANTITY:	B - Barrels	L - Lio	quid	Y - Yards E - Each
		<u>C-138</u>	3	
I hereby certify that according to t described waste load is (Check the				Protection Agency's July 1988 regulatory determination, the above
	Oil field wastes generated fro accepts certifications on a pe		production operation	ions and are not mixed with non-exempt waste. (Gandy Marley, Inc.
RCRA NON-EXEMPT:		61.24, or listed hazardous was	te as defined by 40	ndards for waste hazardous by characteristics established in RCRA CFR, part 261, subpart D, as amended. The following documentation e items as provided.)
MSDS Info	,	RCRA Hazardous		Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazard-ous waste determination and a description of the waste must accompany this form.)

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G	NEW MEXICO NON	N-HAZARDOUS OILFIELD V	WASTE MANIFEST / L	DISPOSAL TICKET
YVL inc.	7177	18 OFNERA	TOP	
and the	1BRIAN	GENERA	Location of Orig Lease/Well	gin object the state of 1
Generator Name				
Address				/
City, State, Zip				
Phone No				)
Company Man			5	
		DISPOSAL F	ACILITY	
TRUCK TI				RECEIVING AREA
IN:O	UT:			Name/No. Landfill
Site Name / Permit No. Com	mercial Landfill (NM-01-0019	)	Phone No. 575	5-347-0434
Addross	Box 1658 Roswell, NM 88202			
	ken? (Circle One) YES	NO	If YES, was rea	iding > 50 micro roentgens? (Circle One) YES NO
Pass the Paint Filte	r Test? (Circle One) YES	NO	DIED	
Transporter's Name	- Thinks	TRANSPO		FRAN
Address				01
Address		-		
Phone No.				
Phone No				d delivered without incident to the disposal facility listed below.
Thereby contry that the above h				24 VC (KY smaller
SHIPMENT DATE	DRIVER'S SIGNATUR	RE	DELIVERY	
Exempt	E&P Waste/Service Identifica	ation and Amount (Plac	e volume next to	waste type in barrels or cubic yards)
Oil Based Muds		luid/Flowback		OTHER EXEMPT WASTE
Oil Based Cuttings		ter (Non-Injectable)		
Water Based Muds Water Based Cuttings	Gathering Line Cement Wate	e Water/Waste		
Produced Formation Solids	Truck Washou			OTHER NON-EXEMPT WASTE
Tank Bottoms	Trash & Debris	S		
E&P Contaminated Soil Gas Plant Waste				
WASTE GENERATION PROCESS	S: Drilling	Completion		oduction   Gathering Lines
		npt E&P Waste/Service		
(All non-e)	cempt E&P waste must be analyzed	d and be below the thresho	Id limits for toxicity (I	CLP), ignition, corrosiveness, and reactivity.)
Non-Exempt Other:			*Please select f	from Non-Exempt Waste List on back
QUANTITY:	B - Barrels	L - Li	iquid	Y - Yards E - Each
		<u>C-13</u>	8	
I hereby certify that according to described waste load is (Check th		ecovery Act (RCRA) and th	he US Environmental	Protection Agency's July 1988 regulatory determination, the above
			nd production operati	ions and are not mixed with non-exempt waste. (Gandy Marley, Inc.
RCRA NON-EXEMPT:		1.24, or listed hazardous wa	ste as defined by 40	ndards for waste hazardous by characteristics established in RCRA CFR, part 261, subpart D, as amended. The following documentation items as provided.)
MSDS Info		RCRA Hazardous		Other (Provide Description Below)
	D: Emergency non-hazardous, noi ous waste determination and a			partment of Public Safety. (The order, documentation of non-hazard- orm.)
(PRINT) AUTHORIZED AC	BENTS SIGNATURE	DATE		SIGNATURE

10. 74

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	ROUS OILFIELD WASTE MANIFEST /	
GM inc	BOOD OIL FILLD WAS TE WANTE ST 7	
IVL IIIC.	GENERATOR	
Generator Name	Location of Or	igin ChEM State 1
Address		
Address		
City State Zip		
City, State, Zip		
Phone No		0
Company Man	AFE/PU No	
TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN:OUT:		Name/No. Landfill
Site Name / Permit No. Commercial Landfill (NM-01-0019)	Phone No. 57	5-347-0434
Address P.O. Box 1658 Roswell, NM 88202	<u> </u>	
NORM Readings Taken? (Circle One)         YES         NO           Pass the Paint Filter Test? (Circle One)         YES         NO	If YES, was rea	ading > 50 micro roentgeris? (Circle One) YES NO
Transporter's Name	TRANSPORTER Print Name	25CAR
Address	Truck No.	
Addiess		AND
Dhone No.		· · · · · · · · · · · · · · · · · · ·
Phone No		
Thereby certify that the above named materially, was were picked up a	C	
SHIPMENT DATE DRIVER'S SIGNATURE	DELIVER	
Exempt E&P Waste/Service Identification ar	ad Amount (Place volume next to	waste type in harrels or cubic vards)
Oil Based Muds Completion Fluid/Flow		OTHER EXEMPT WASTE
Oil Based Cuttings Produced Water (Non-		
Water Based Muds Gathering Line Water/	Waste	
Water Based Cuttings Cement Water Produced Formation Solids Truck Washout /Jet Or		OTHER NON-EXEMPT WASTE
Tank Bottoms Trash & Debris		
E&P Contaminated Soil		
Gas Plant Waste		
WASTE GENERATION PROCESS: D Drilling	Completion D Pr	roduction Gathering Lines
Non-Exempt E&P (All non-exempt E&P waste must be analyzed and be	P Waste/Service Identification ar below the threshold limits for toxicity (	
Non-Exempt Other:		from Non-Exempt Waste List on back
		Y - Yards E - Each
QUANTITY:B - Barrels	L - Liquio	E - Each
	<u>C-138</u>	
I hereby certify that according to the Resource Conservation and Recovery	Act (RCRA) and the US Environmenta	Protection Agency's July 1988 regulatory determination, the above
described waste load is (Check the appropriate classification)	are exploration and production encode	tions and are not mixed with son exampt works (Costs Martin Lo
RCRA EXEMPT: OIl field wastes generated from oil and accepts certifications on a per month oil accepts certifications on accepts certifications on a per month oil accepts certifications on accepts certifications certifications on accepts certifications		tions and are not mixed with non-exempt waste. (Gandy Marley, Inc.
RCRA NON-EXEMPT: Oil field waste which is non-hazardous	that does not exceed the minimum sta	andards for waste hazardous by characteristics established in RCRA
regulations, 40 CFR 261.21-261.24, or li demonstrating the waste as non-hazard		CFR, part 261, subpart D, as amended. The following documentation
MSDS Information	RCRA Hazardous Waste Analysis	Other (Provide Description Below)
EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield ous waste determination and a descript		
(PRINT) AUTHORIZED AGENTS SIGNATURE	DATE	SIGNATURE
( THE Y TO THE REPORT OF COMPANY OF THE		

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*					
·		-HAZARDOUS OILFIELD WA	STE MANIEEST /		
C	NEW MEXICO NON-	-HAZARDOUS OILFIELD WA	STE MANIFEST /	DISPUSAL HUKET	
W inc.	7177	Z			
		GENERAT	OR		
Generator Name	AD In HIL	extra T		igin	1-1
		Car K Par - 1			
Address					
City, State, Zip			API No	· · · · · · · · · · · · · · · · · · ·	
Phone No			Rig Name & N	0	
Company Man	5 GALLY		AFE/PO No		
TRUCK TIM	E STAMP	DISPOSAL FA	CILITY	RECEIVING AR	EA
	Т:			Name/No. Landfill	
			57 11 57	5 247-0424	
Site Name / Permit No. Comm		<u> </u>	Phone No. 57	0-047-0404	
	ox 1658 Roswell, NM 88202	NO	IF VEC Was rou	ading > 50 micro roentgens? (Circle One	) YES NO
	(	NO	II TES, Was lea	ading > 50 micro roentgens? (Circle One	
Pass the Paint Filter	lest? (Olicle Olie) TLS	TRANSPOR	TED		
Transporter's Name	- Tu			1333 del	
				01	
Address	AU				
Phone No				d delivered without incident to the dispose	al facility listed below
I hereby certify that the above ha	med material(s) was/were picke	d up at the Generator's sh	A	the fair 1	ar facility listed below.
SHIPMENT DATE	DRIVER'S SIGNATURE		DELIVER'	Y DATE DRIVER'S SIG	NATURE
			volume next to	waste type in barrels or cubic yards)	
Oil Based Muds Oil Based Cuttings	Completion Flu Produced Wate	ud/Flowback er (Non-Injectable)		OTHER EXEMPT WASTE	
Water Based Muds	Gathering Line				
Water Based Cuttings	Cement Water			OTHER NON-EXEMPT WASTE	
Produced Formation Solids Tank Bottoms	Truck Washout				
E&P Contaminated Soil					
Gas Plant Waste		· -			
WASTE GENERATION PROCESS:	Drilling	Completion	Q Pr	roduction D Gathering	Lines
	Non-Exem	pt E&P Waste/Service I	dentification ar	nd Amount	
(All non-exe	empt E&P waste must be analyzed	and be below the threshold	limits for toxicity (	TCLP), ignition, corrosiveness, and reactivity.)	
Non-Exempt Other:			*Please select	from Non-Exempt Waste List on back	
QUANTITY:	B - Barrels	L - Liq	uid	Y - Yards	E - Each
		C-138		1	
I hereby certify that according to the	he Resource Conservation and Re			I Protection Agency's July 1988 regulatory de	etermination, the above
described waste load is (Check the	appropriate classification)				
RCRA EXEMPT:	Oil field wastes generated from accepts certifications on a per m		production operat	tions and are not mixed with non-exempt wa	ste. (Gandy Marley, Inc.
RCRA NON-EXEMPT:		.24, or listed hazardous wast	e as defined by 40	andards for waste hazardous by characteristi CFR, part 261, subpart D, <mark>as a</mark> mended. The f e items as provided.)	
MSDS Infor	mation	RCRA Hazardous V	Vaste Analysis	Other (Provide Descri	ption Below)
EMERGENCY NON-OILFIELD:	Emergency non-hazardous, non ous waste determination and a c	-oilfield waste that has been description of the waste mus	ordered by the Dest accompany this	epartment of Public Safety. (The order, docum form.)	entation of non-hazard-

GM inc.		N-HAZARDOUS OILFIEL	D WASTE MANIFEST/DISPOSAL TICKE	Ticket Number 106221 ET 09/16/24 01:54 PM
***		GEN	ERATOR	
Generator: CAMB Generator Contac PO BOX 272 MIDLAND, TX 79 Phone No.: (432)6	702	Lease: CHEM STAT Location: CHEM ST Job Contact: CHRIS Phone Number: (43) Email:	FE #1 ATE #1 3 GADDY	
			AL FACILITY	
Site Name/Permit P.O. Box 1658 Roswell, NM 8820 Office (575) 347-0 Fax (575)347-043	0434	'arm (NM-711-1-0020)	NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:	
		WASTE	MATERIAL	
Material		Quantity	Cell	
OCD EXEMPT SO	DILS	20.00 YDS	LF	
		TRAN	SPORTER	
Name: PONDERC Address: Phone No.:	SA TRUCKING		Driver Name: Truck Number: 1 Phone No.:	
listed above.	ve named matenai(s) w		Benerator's site listed above and delivered	a without incloent to the disposal facility
	·····		Signature	
			2-138	
I hereby certify that accordin determination, the above de		servation and Recovery Ac	ct (RCRA) and the Environmental Protect	ion Agency's July 1988 regulatory
RCRA Exempt:	Oil field wastes gen (Gandy Marley, Inc.	erated from oil and gas ex accepts certifications on a	ploration and production operations and a a per month only basis.)	are not mixed with non-exempt waste.
RCRA NON-EXEMPT:	established in RCR	A regulations, 40 CFR 261	es not exceed the minimum standards fo .21-261-24, or listed hazardous waste as	
		lowing documentation de	monstrating the waste as non-hazardous	
MSDS Information		blowing documentation de	monstrating the waste as non-hazardous	
MSDS Information				
MSDS Information	on-Oilfield: (The or	Other (Provide	RCRA Hazardous Waste Analysis	is attached:
	on-Oilfield: (The or	Other (Provide ency non-hazardous, non-o der, documentation of non-	RCRA Hazardous Waste Analysis Description Below)	is attached:
	on-Oilfield: (The or	Other (Provide ency non-hazardous, non-o der, documentation of non-	RCRA Hazardous Waste Analysis Description Below)	is attached: Department of Public Safety. escription of the waste must
	on-Oilfield: (The ord accomp	Other (Provide ency non-hazardous, non-o der, documentation of non- bany this form.)	CRCRA Hazardous Waste Analysis Description Below)	is attached:

Generator: CAMBR	And the second sec			09/16/24 11:07 AM
Generator: CAMBR		GI	ENERATOR	
Generator Contact: PO BOX 272 MIDLAND, TX 7970 Phone No.: (432)62	02	Lease: CHEM ST Location: CHEM Job Contact: CHI Phone Number: ( Email:	FATE #1 STATE #1 RIS GADDY	
Site Name/Permit N P.O. Box 1658 Roswell, NM 88202 Office (575) 347-04 Fax (575)347-0435	34		DSAL FACILITY NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:	
		WAS	TE MATERIAL	
Material		Quantity	Cell	
OCD EXEMPT SOI	LS	20.00 YDS	LF	
		TRA	ANSPORTER	
Name: PONDEROS Address: Phone No.:	SA TRUCKING		Driver Name: Truck Number: 1 Phone No.:	
I Hearby certify that the above listed above.	e named material(s) was	/were picked up at the	e Generator's site listed above and delivered witho	out incident to the disposal facility
		QSQV.	A MORALES	
		Driv	er Signature	
			C-138	
I hereby certify that according determination, the above desc		rvation and Recovery	Act (RCRA) and the Environmental Protection Ag	ency's July 1988 regulatory
RCRA Exempt:	Oil field wastes genera (Gandy Marley, Inc. ad	ated from oil and gas ccepts certifications o	exploration and production operations and are not on a per month only basis.)	t mixed with non-exempt waste.
RCRA NON-EXEMPT:	established in RCRA r	regulations, 40 CFR 2	does not exceed the minimum standards for wast 261.21-261-24, or listed hazardous waste as define demonstrating the waste as non-hazardous is atta	ed by 40 CFR, part 261, subpart D
MSDS Information			RCRA Hazardous Waste Analysis	
		Other (Provi	ide Description Below)	
Emergency Non-	-Oilfield: (The order		n-oilfied waste that has been ordered by the Depa on-hazardous waste determination, and a descript	
	Name		Signature	
	Kimberly Murp	bhy	Hursberty Murph	·
	Name	P	Signature	

Received	by (	<b>)CD:</b>	3/26/20	25 8:20	0:29 PM
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		N-HAZARDOUS OILFIELD V	WASTE MANIFEST	DISPOSAL TICKET
M inc.	710	0.2		
		GENERA	TOR	
Generator Name	angel	90	Location of O Lease/Well	rigin
Address			Name & No.	
			County	
City, State, Zip				
Phone No.				lo
Company Man			Ŭ	
TRUCK TI	ME STAMP	DISPOSAL F	ACILITY	RECEIVING AREA
IN: BOSAD O	UT:			Name/No. Landfill
Site Name / Permit No. Com			Phone No. 5	75-347-0434
- Iddiede -	Box 1658 Roswell, NM 8820			
	aken? (Circle One) YES er Test? (Circle One) YES	NO NO	If YES, was re	ading > 50 micro roentgens? (Circle One) YES
	N	TRANSPO	RTER	
Transporter's Name	PRINK		Print Name _	
Address			Truck No.	21
			Bin No.	
Phone No.			Phone No.	
I hereby certify that the above n	named material(s) was/were pic	ked up at the Generator's	site listed above a	nd delivered without incident to the disposal facility lister
			alil	24 Star A And
SHIPMENT DATE	DRIVER'S SIGNATU	IRE	DELIVE	Y DATE DRIVER'S SIGNATURE
Oil Based Muds Oil Based Cuttings Water Based Muds	Produced Wa     Gathering Lir     Cement Wate			
Produced Formation Solids	Truck Washo			
Produced Formation Solids Tank Bottoms E&P Contaminated Soil				
Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste	Trash & Debr			roduction
Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste	Trash & Debr	ris	 D F	roduction
Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS	Trash & Debr	Completion	D F	roduction
Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS (All non-ex)	Trash & Debr	☐ Completion mpt E&P Waste/Service ed and be below the threshol	C F • Identification a Id limits for toxicity	roduction
Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS (All non-ex Non-Exempt Other:	Trash & Debr	☐ Completion mpt E&P Waste/Service ed and be below the threshol	F     F     Identification a     Id limits for toxicity     *Please selec	roduction  Gathering Lines nd Amount (TCLP), ignition, corrosiveness, and reactivity.)
Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS (All non-ex Non-Exempt Other:	S: D Drilling Non-Exer xempt E&P waste must be analyze	ris Completion mpt E&P Waste/Service ed and be below the threshol	Fe Identification a     Id limits for toxicity     *Please selec     iquid	roduction Gathering Lines and Amount (TCLP), ignition, corrosiveness, and reactivity.) t from Non-Exempt Waste List on back
Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS (All non-ex Non-Exempt Other: QUANTITY:	Trash & Debr	ris Completion Completion Completion L - Li	Fe Identification a Id limits for toxicity *Please select iquid	roduction Gathering Lines and Amount (TCLP), ignition, corrosiveness, and reactivity.) t from Non-Exempt Waste List on back
Non-Exempt Other:	Trash & Debr	ris Completion Completion E&P Waste/Service ed and be below the threshol L - Li C-13i Recovery Act (RCRA) and th m oil and gas exploration an	F e Identification a Id limits for toxicity  *Please selec iquid  8 he US Environment	roduction Gathering Lines and Amount (TCLP), ignition, corrosiveness, and reactivity.) t from Non-Exempt Waste List on back Y - Yards E - Each
Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS (All non-ex) Non-Exempt Other: QUANTITY:	Trash & Debr	ris  Completion  C-13  Recovery Act (RCRA) and th  m oil and gas exploration an  r month only basis.)  azardous that does not exce 31.24, or listed hazardous wa	F     Identification a     Id limits for toxicity     *Please selec     iquid     B     be US Environment     ind production opera     sed the minimum si     iste as defined by 4	roduction Gathering Lines Ind Amount (TCLP), ignition, corrosiveness, and reactivity.) If from Non-Exempt Waste List on back Y - Yards E - Each al Protection Agency's July 1988 regulatory determination, th tions and are not mixed with non-exempt waste. (Gandy Ma andards for waste hazardous by characteristics established D CFR, part 261, subpart D, as amended. The following docum
Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS (All non-ex) Non-Exempt Other: QUANTITY: I hereby certify that according to described waste load is (Check th RCRA EXEMPT:	Trash & Debr	ris  Completion  C-13  Recovery Act (RCRA) and th  m oil and gas exploration an  r month only basis.)  azardous that does not exce 31.24, or listed hazardous wa	Please select iquid B b US Environment ad production opera- sed the minimum states state as defined by 44 theck the appropria	roduction Gathering Lines Ind Amount (TCLP), ignition, corrosiveness, and reactivity.) If from Non-Exempt Waste List on back Y - Yards E - Each al Protection Agency's July 1988 regulatory determination, th tions and are not mixed with non-exempt waste. (Gandy Ma andards for waste hazardous by characteristics established D CFR, part 261, subpart D, as amended. The following docum
Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS (All non-ex) Non-Exempt Other: QUANTITY: I hereby certify that according to described waste load is (Check th RCRA EXEMPT: RCRA NON-EXEMPT: MSDS Info	Trash & Debr  Trash & Debr  Trash & Debr  Trash & Debr  Non-Exer  Non-Exer  Non-Exer  Exempt E&P waste must be analyze  B - Barrels  the Resource Conservation and I be appropriate classification)  Oil field wastes generated fror accepts certifications on a per Oil field waste which is non-ha regulations, 40 CFR 261.21-26 demonstrating the waste as no formation	ris  Completion  The completion  The completion  The completion  The completion  The completion  The completion  C-13i  C-13i  Recovery Act (RCRA) and th  The oil and gas exploration and  remonth only basis.)  azardous that does not exces 51.24, or listed hazardous was con-hazardous is attached. (C  RCRA Hazardous  con-oilfield waste that has been		roduction Gathering Lines  Ind Amount (TCLP), ignition, corrosiveness, and reactivity.)  I from Non-Exempt Waste List on back  Y - Yards E - Each  al Protection Agency's July 1988 regulatory determination, th tions and are not mixed with non-exempt waste. (Gandy Ma andards for waste hazardous by characteristics established 0 CFR, part 261, subpart D, as amended. The following docum te items as provided.)  epartment of Public Safety. (The order, documentation of nor
Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS (All non-ex) Non-Exempt Other: QUANTITY: I hereby certify that according to described waste load is (Check th RCRA EXEMPT: RCRA NON-EXEMPT: MSDS Info	Trash & Debr	ris  Completion  The completion  The completion  The completion  The completion  The completion  The completion  C-13i  C-13i  Recovery Act (RCRA) and th  The oil and gas exploration and  remonth only basis.)  azardous that does not exces 51.24, or listed hazardous was con-hazardous is attached. (C  RCRA Hazardous  con-oilfield waste that has been	F     F     A Identification a     Id limits for toxicity         'Please selec     iquid      S     He US Environment     id production opera     eed the minimum si     iste as defined by 44     Check the appropria     Waste Analysis     en ordered by the D     ust accompany this	roduction Gathering Lines  Ind Amount (TCLP), ignition, corrosiveness, and reactivity.)  I from Non-Exempt Waste List on back  Y - Yards E - Each  al Protection Agency's July 1988 regulatory determination, th tions and are not mixed with non-exempt waste. (Gandy Ma andards for waste hazardous by characteristics established 0 CFR, part 261, subpart D, as amended. The following docum te items as provided.)  epartment of Public Safety. (The order, documentation of nor

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Terre State		ہ EXICO NON-HAZAF		WASTE MANIFEST/DISPOSAL	TICKET	Ticket Number 106160 09/13/24 10:27 AM
C			GENE	RATOR		
Generator: CAMBF Generator Contact PO BOX 272 MIDLAND, TX 797 Phone No.: (432)62	02	Loc	se: CHEM STATE ation: CHEM STA Contact: CHRIS one Number: (432 ail:	TE #1 GADDY		
C			DISPOSA	L FACILITY		
Site Name/Permit I P.O. Box 1658 Roswell, NM 88202 Office (575) 347-04 Fax (575)347-0435	2 134	rcial Landfarm (NM-	711-1-0020)	NORM Readings Taken: No Reading > 50 micro roentgens Pass the Paint Filter Test: No Box Number:		
			WASTE	MATERIAL		
Material		Qu	antity	Cell		
OCD EXEMPT SO	ILS	20.0	00 YDS	LF		
			TRANS	PORTER		
Name: PONDERO Address: Phone No.:	SA TRUCK	NG		Driver Name: Truck Number: 1 Phone No.:		
	e named ma	aterial(s) was/were p	icked up at the Ge	enerator's site listed above and d	elivered without	incident to the disposal facility
			nci -			
		U.	eccar A	Moralep		
			Driver S	Signature		
		0		138 (BODA)	Detection	
determination, the above des	cribed was	e load is:	and Recovery Act	(RCRA) and the Environmental	Protection Agend	cy's July 1988 regulatory
RCRA Exempt:				loration and production operation per month only basis.)	ns and are not m	ixed with non-exempt waste.
RCRA NON-EXEMPT:	establish	ed in RCRA regulation	ons, 40 CFR 261.	es not exceed the minimum stand 21-261-24, or listed hazardous w nonstrating the waste as non-haz	aste as defined	by 40 CFR, part 261, subpart
MSDS Information				RCRA Hazardous Waste A	nalvsis	
			Other (Provide I	Description Below)		
Emergency Nor	n-Oilfield:		mentation of non-	fied waste that has been ordered hazardous waste determination, a		
		Name		Sig	nature	
	Kim	berly Murphy		Hundred	y Murphy	-
		Name		Sig	nature	

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	NEW MEXICO NON-I	* HAZARDOUS OILFIE	ELD WASTE MANIFEST/DISPO	OSAL TICKET	Ticket Number 106195 09/13/24 03:59 PM
		GF	NERATOR		
Generator: CAMBR Generator Contact: PO BOX 272 MIDLAND, TX 7970 Phone No.: (432)62		Lease: CHEM ST/ Location: CHEM S Job Contact: CHR Phone Number: (4 Email:	ATE #1 STATE #1 IS GADDY		
		DISPO	SAL FACILITY		
Site Name/Permit N P.O. Box 1658 Roswell, NM 88202 Office (575) 347-04 Fax (575)347-0435		ו (NM-711-1-0020)	NORM Readings Taken: Reading > 50 micro roent Pass the Paint Filter Test Box Number:	gens: No	
		WAST	E MATERIAL		
Material		Quantity	C	ell	
OCD EXEMPT SOI	LS	20.00 YDS	LI	=	
- 17 http:///		TRA	NSPORTER	L	
Name: PONDEROS Address: Phone No.: I Hearby certify that the above listed above.		200		nd delivered witho	ut incident to the disposal facility
			MGYG (C)		
I hereby certify that according determination, the above desc		vation and Recovery /	C-138 Act (RCRA) and the Environme	ntal Protection Age	ency's July 1988 regulatory
RCRA Exempt:			exploration and production oper a a per month only basis.)	ations and are not	mixed with non-exempt waste.
RCRA NON-EXEMPT:	established in RCRA re	gulations, 40 CFR 26	does not exceed the minimum s 51.21-261-24, or listed hazardo lemonstrating the waste as non	us waste as define	ed by 40 CFR, part 261, subpart E
MSDS Information			RCRA Hazardous Was	te Analysis	
		Other (Provid	le Description Below)		
Emergency Non-	Emergency -Oilfield: (The order, accompany	documentation of no	-oilfied waste that has been ord n-hazardous waste determinati	lered by the Depai on, and a descript	rtment of Public Safety. ion of the waste must
	Name			Signature	
e a ann a da airtigean ann a				<b>v</b>	
	Kimberly Murpl	ny	Rent	my Nurphy	-
	Name			Signature	
	- turno				

P.O. Box 1658 Roswell, NM 88202 Office (575) 347-0434 Fax (575)347-0435

MEW MEXICO NON-HAZARDO	US OILFIELD WASTE MANIFEST/DISPOSAL TICKET	Ticket Number 106165 09/13/24 01:06 PM
	GENERATOR	
Generator Contact: Location PO BOX 272 Job Co	CHEM STATE #1 n: CHEM STATE #1 ntact: CHRIS GADDY Number: (432)620-9181	
	DISPOSAL FACILITY	
Site Name/Permit No.: Commercial Landfarm (NM-711 P.O. Box 1658 Roswell, NM 88202 Office (575) 347-0434	-1-0020) NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:	

Material Quantity Cell 20.00 YDS LF OCD EXEMPT SOILS TRANSPORTER Name: PONDEROSA Driver Name: Address: Truck Number: 1 Phone No .: Phone No .: I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above. Sav A Movales **Driver Signature** C-138 I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. RCRA Exempt: (Gandy Marley, Inc. accepts certifications on a per month only basis.) Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics RCRA NON-EXEMPT: established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached: MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below) Emergency non-hazardous, non-oilfied waste that has been ordered by the Department of Public Safety. Emergency Non-Oilfield: (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.) Name Signature Kurtury Murphy Kimberly Murphy Signature Name

WASTE MATERIAL

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	025 8:20:29 PM		<b>Page 203 of 2</b>
GM inc.	NEW MEXICO NON-HAZARDOUS	OILFIELD WASTE MANIFEST/DISPOSAL TICKET	Ticket Number 106262 09/17/24 11:05 AM
1		GENERATOR	
<ul> <li>Generator: CAMBI Generator Contact PO BOX 272 MIDLAND, TX 797 Phone No.: (432)6</li> </ul>	t: Location: C Job Contac 702 Phone Num	EM STATE #1 CHEM STATE #1 ct: CHRIS GADDY nber: (432)620-9181	
	0	DISPOSAL FACILITY	
Site Name/Permit P.O. Box 1658 Roswell, NM 8820 Office (575) 347-0 Fax (575)347-0438	434	0020) NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:	
		WASTE MATERIAL	
Material	Quantity	Cell	
OCD EXEMPT SC	DILS 20.00 YDS	LF	
		TRANSPORTER	
Name: PONDERO Address: Phone No.:	ISA	Driver Name: Truck Number: 1 Phone No.:	
Hearby certify that the abov sted above.	e named material(s) was/were picked up	p at the Generator's site listed above and delivered w	ithout incident to the disposal facility
	7SCa	v A Molales	
		Driver Signature	
hereby certify that according determination, the above des		C-138 covery Act (RCRA) and the Environmental Protection	Agency's July 1988 regulatory
RCRA Exempt:	Oil field wastes generated from oil and (Gandy Marley, Inc. accepts certification	nd gas exploration and production operations and are tions on a per month only basis.)	not mixed with non-exempt waste.
	Oil field waste which is non-hazardou	us that does not exceed the minimum standards for w	
RCRA NON-EXEMPT:	established in RCRA regulations, 40 (	tation demonstrating the waste as non-hazardous is	efined by 40 CFR, part 261, subpart D
	established in RCRA regulations, 40 (	tation demonstrating the waste as non-hazardous is	efined by 40 CFR, part 261, subpart D
RCRA NON-EXEMPT:	established in RCRA regulations, 40 ( as amended. The following document	tation demonstrating the waste as non-hazardous is	efined by 40 CFR, part 261, subpart D
	established in RCRA regulations, 40 ( as amended. The following document Other ( Emergency non-hazardou	tation demonstrating the waste as non-hazardous is RCRA Hazardous Waste Analysis	epartment of Public Safety.
MSDS Information	established in RCRA regulations, 40 ( as amended. The following document Other ( Emergency non-hazardou n-Oilfield: (The order, documentatio	tation demonstrating the waste as non-hazardous is RCRA Hazardous Waste Analysis (Provide Description Below) us, non-oilfied waste that has been ordered by the D	epartment of Public Safety.
MSDS Information	established in RCRA regulations, 40 ( as amended. The following document Other ( Emergency non-hazardou n-Oilfield: (The order, documentatio	tation demonstrating the waste as non-hazardous is RCRA Hazardous Waste Analysis (Provide Description Below) us, non-oilfied waste that has been ordered by the D	epartment of Public Safety.
MSDS Information	established in RCRA regulations, 40 ( as amended. The following document Other ( Emergency non-hazardou n-Oilfield: (The order, documentatio accompany this form.) Name	tation demonstrating the waste as non-hazardous is	efined by 40 CFR, part 261, subpart D attached: epartment of Public Safety. cription of the waste must
MSDS Information	established in RCRA regulations, 40 ( as amended. The following document Other ( Emergency non-hazardou n-Oilfield: (The order, documentatio accompany this form.)	tation demonstrating the waste as non-hazardous is RCRA Hazardous Waste Analysis (Provide Description Below) us, non-oilfied waste that has been ordered by the D on of non-hazardous waste determination, and a desc	efined by 40 CFR, part 261, subpart D attached: epartment of Public Safety. cription of the waste must

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Page 204 of 249

	NEW MEXICO N	NON-HAZARDOUS OILFIELD	WASTE MANIFEST /	JISPOSAL TICKET
GM inc.	71.0	105		
		GENERA	TOR	
Generator Name	DUAND	Inv	Location of O	rigin
Address			Name & No	
City, State, Zip			API No	
Phone No.			Rig Name & N	lo
Company Man		a	AFE/PO No	
TRUCK TIN	IE STAMP	DISPOSAL F	ACILITY	RECEIVING AREA
IN: 145 Ann OL	JT:			Name/No. Landfill
Site Name / Permit No. Comr			Phone No. 57	75-347-0434
	lox 1658 Roswell, NM 882		Phone No. 37	<u></u>
///////////////////////////////////////	ken? (Circle One) YES	NO	If YES, was re	ading > 50 micro roentgens? (Circle One) YES NO
	Test? (Circle One) YES	NO	11120, Waste	
	,,	TRANSPO	DRTER	
Transporter's Name	anisa			
Address				<u></u>
Phone No.			Phone No.	
			site listed above a	nd delivered without incident to the disposal facility listed below.
			FILD	24 Nav Mondel
SHIPMENT DATE	DRIVER'S SIGNAT	TURE	DELIVER	Y DATE DRIVER'S SIGNATURE
Exempt E	&P Waste/Service Identif	fication and Amount (Pla	ce volume next to	o waste type in barrels or cubic yards)
Oil Based Muds	Completion	n Fluid/Flowback		OTHER EXEMPT WASTE
Oil Based Cuttings		Water (Non-Injectable)		
	Oathering	Line Minter/Minte		
Water Based Muds	Gathering Cement W	Line Water/Waste /ater		
Water Based Muds - Water Based Cuttings - Produced Formation Solids -	Cement W	/ater hout /Jet Out		OTHER NON-EXEMPT WASTE
Water Based Muds	Cement W	/ater hout /Jet Out		OTHER NON-EXEMPT WASTE
Water Based Muds - Water Based Cuttings - Produced Formation Solids -	Cement W	/ater hout /Jet Out		OTHER NON-EXEMPT WASTE
Water Based Muds	Cement W Truck Was Trash & De	/ater hout /Jet Out		OTHER NON-EXEMPT WASTE
Water Based Muds	Cement W Truck Was Trash & De	/ater hout /Jet Out əbris		roduction
Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS	Cement W Truck Was Trash & De	/ater chout /Jet Out ebris Completion cempt E&P Waste/Servic	e Identification a	roduction
Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS (All non-ext	Cement W Truck Was Trash & De	Ater shout /Jet Out ebris Completion cempt E&P Waste/Servic yzed and be below the thresho	e Identification and old limits for toxicity (	roduction Gathering Lines
Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS (All non-ext	Cement W Truck Was Trash & De	Ater shout /Jet Out ebris Completion cempt E&P Waste/Servic yzed and be below the thresho	e Identification and old limits for toxicity ( *Please select	roduction Gathering Lines nd Amount (TCLP), ignition, corrosiveness, and reactivity.)
Water Based Muds	Cement W Truck Was Trash & De	Ater shout /Jet Out ebris Completion cempt E&P Waste/Servic yzed and be below the thresho	e Identification and old limits for toxicity ( *Please select	roduction Gathering Lines and Amount (TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back
Water Based Muds	Cement W Truck Was Trash & De	Ater shout /Jet Out ebris Completion cempt E&P Waste/Servic yzed and be below the thresho 	e Identification and old limits for toxicity ( *Please select .iquid	roduction Gathering Lines and Amount (TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back
Water Based Muds	Cement W Truck Wasi Trash & De Drilling Non-Ex empt E&P waste must be analy B - Barrels	Ater shout /Jet Out ebris Completion <b>cempt E&amp;P Waste/Servic</b> yzed and be below the thresho L - L <u>C-13</u>	e Identification an old limits for toxicity ( *Please select .iquid	roduction Gathering Lines  Ind Amount (TCLP), ignition, corrosiveness, and reactivity.)  from Non-Exempt Waste List on back  Y - Yards E - Each
Water Based Muds	Cement W Truck Wasi Trash & De Drilling Non-Ex empt E&P waste must be analy B - Barrels the Resource Conservation and appropriate classification)	Ater whout /Jet Out abris Completion <b>cempt E&amp;P Waste/Servic</b> yzed and be below the thresho L - L <u>C-13</u> ad Recovery Act (RCRA) and t	e Identification and old limits for toxicity ( *Please select .iquid 38 the US Environmenta	roduction Gathering Lines Ind Amount (TCLP), ignition, corrosiveness, and reactivity.) (TCLP), ignition, corrosiveness, and reactivity.) (Torm Non-Exempt Waste List on back Y - Yards E - Each al Protection Agency's July 1988 regulatory determination, the above
Water Based Muds	Cement W Truck Wasi Trash & De Drilling Non-Ex empt E&P waste must be analy B - Barrels the Resource Conservation and appropriate classification)	Ater whout /Jet Out abris Completion <b>cempt E&amp;P Waste/Servic</b> yzed and be below the thresho L - L <u>C-13</u> and Recovery Act (RCRA) and the rom oil and gas exploration and the control of the second	e Identification and old limits for toxicity ( *Please select .iquid 38 the US Environmenta	roduction Gathering Lines  Ind Amount (TCLP), ignition, corrosiveness, and reactivity.)  from Non-Exempt Waste List on back  Y - Yards E - Each
Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS (All non-exe Non-Exempt Other: QUANTITY: I hereby certify that according to the described waste load is (Check the descri	Cement W Truck Wasi Trash & De Trash & De Drilling Non-Ex empt E&P waste must be analy B - Barrels the Resource Conservation an- appropriate classification) Oil field wastes generated fr accepts certifications on a p Oil field waste which is non- regulations, 40 CFR 261.21-	Ater whout /Jet Out abris Completion <b>cempt E&amp;P Waste/Servic</b> yzed and be below the thresho <b>cempt E&amp;P Waste/Servic</b> <b>cempt E</b> <b>cempt E</b> <b>cemp</b>	e Identification and old limits for toxicity ( *Please select iquid	roduction Gathering Lines Ind Amount (TCLP), ignition, corrosiveness, and reactivity.) (TCLP), ignition, corrosiveness, and reactivity.) (Torm Non-Exempt Waste List on backY - YardsE - Each al Protection Agency's July 1988 regulatory determination, the above tions and are not mixed with non-exempt waste. (Gandy Marley, Inc. andards for waste hazardous by characteristics established in RCRA DCFR, part 261, subpart D, as amended. The following documentation
Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS (All non-exe (All non-exe (All non-exe Non-Exempt Other: QUANTITY: I hereby certify that according to the described waste load is (Check the RCRA EXEMPT:	Cement W Truck Wasi Trash & De Trash & De Drilling Non-Ex empt E&P waste must be analy B - Barrels the Resource Conservation and appropriate classification) Oil field wastes generated fr accepts certifications on a p Oil field waste which is non- regulations, 40 CFR 261.21- demonstrating the waste as	Ater whout /Jet Out abris Completion <b>cempt E&amp;P Waste/Servic</b> yzed and be below the thresho <u>L - L</u> <u>C-13</u> and Recovery Act (RCRA) and the rom oil and gas exploration and per month only basis.) -hazardous that does not exco -261.24, or listed hazardous we	e Identification and old limits for toxicity ( *Please select iquid	roduction Gathering Lines Ind Amount (TCLP), ignition, corrosiveness, and reactivity.) (TCLP), ignition, corrosiveness, and reactivity.) (Torm Non-Exempt Waste List on backY - YardsE - Each al Protection Agency's July 1988 regulatory determination, the above tions and are not mixed with non-exempt waste. (Gandy Marley, Inc. andards for waste hazardous by characteristics established in RCRA DCFR, part 261, subpart D, as amended. The following documentation
Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS (All non-exc Mon-Exempt Other: QUANTITY: I hereby certify that according to the described waste load is (Check the RCRA EXEMPT: RCRA EXEMPT: RCRA NON-EXEMPT: MSDS Info	Cement W Truck Wasi Trash & De Trash & De Drilling Non-Ex empt E&P waste must be analy B - Barrels the Resource Conservation and B - Barrels the Resource Conservation and B - Barrels Dil field wastes generated fi accepts certifications on a p Oil field wastes generated fi accepts certifications on a p Oil field wastes which is non- regulations, 40 CFR 261.21- demonstrating the waste as sumation : Emergency non-hazardous,	Ater shout /Jet Out abris Completion <b>cempt E&amp;P Waste/Servic</b> yzed and be below the thresho <u>L - L</u> <u>L - L</u> ad Recovery Act (RCRA) and the rom oil and gas exploration and ber month only basis.) -hazardous that does not exco. 261.24, or listed hazardous will non-hazardous is attached. (( <u>RCRA Hazardou</u> )	e Identification and old limits for toxicity ( *Please select iquid 38 the US Environmenta and production operations eved the minimum st aste as defined by 40 Check the appropriat s Waste Analysis even ordered by the D	roduction Gathering Lines and Amount (TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back Y - Yards E - Each al Protection Agency's July 1988 regulatory determination, the above tions and are not mixed with non-exempt waste. (Gandy Marley, Inc. andards for waste hazardous by characteristics established in RCRA 0 CFR, part 261, subpart D, as amended. The following documentation e items as provided.) Other (Provide Description Below) epartment of Public Safety. (The order, documentation of non-hazard-
Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS (All non-exc Mon-Exempt Other: QUANTITY: I hereby certify that according to the described waste load is (Check the RCRA EXEMPT: RCRA EXEMPT: RCRA NON-EXEMPT: MSDS Info	Cement W Truck Wasi Trash & De Trash & De Drilling Non-Ex empt E&P waste must be analy B - Barrels the Resource Conservation and B - Barrels the Resource Conservation and B - Barrels Dil field wastes generated fi accepts certifications on a p Oil field wastes generated fi accepts certifications on a p Oil field wastes which is non- regulations, 40 CFR 261.21- demonstrating the waste as sumation : Emergency non-hazardous,	Ater shout /Jet Out abris Completion <b>cempt E&amp;P Waste/Servic</b> yzed and be below the thresho <b>c</b> -13 the Recovery Act (RCRA) and the rom oil and gas exploration and ber month only basis.) -hazardous that does not exce. 261.24, or listed hazardous without hazardous without hazardous is attached. (( RCRA Hazardous non-hazardous that has be	e Identification and old limits for toxicity ( *Please select iquid 38 the US Environmenta and production operations eved the minimum st aste as defined by 40 Check the appropriat s Waste Analysis even ordered by the D	roduction Gathering Lines and Amount (TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back Y - Yards E - Each al Protection Agency's July 1988 regulatory determination, the above tions and are not mixed with non-exempt waste. (Gandy Marley, Inc. andards for waste hazardous by characteristics established in RCRA 0 CFR, part 261, subpart D, as amended. The following documentation e items as provided.) Other (Provide Description Below) epartment of Public Safety. (The order, documentation of non-hazard-

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eceived by OCD: 3/26/20	25 8:20:29 PM			Page 205 of 24
	NEW MEXICO NON-HAZ	ARDOUS OILFIEL	D WASTE MANIFEST/DISPOSAL TICK	Ticket Number 106337 KET 09/18/24 12:08 PM
		GEN	ERATOR	
Generator: CAMBI Generator Contact PO BOX 272 MIDLAND, TX 797 Phone No.: (432)6	: L Ju 02 P	ease: CHEM STA ocation: CHEM ST ob Contact: CHRI hone Number: (43 mail:	TATE #1 S GADDY	
		DISPOS	AL FACILITY	
Site Name/Permit P.O. Box 1658 Roswell, NM 8820 Office (575) 347-0 Fax (575)347-0435	434	M-711-1-0020)	NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:	
		WASTE	MATERIAL	
Material	G	Quantity	Cell	
OCD EXEMPT SC	ILS 2	0.00 YDS	LF	
		TRAN	ISPORTER	
Name: PONDERC Address: Phone No.: Hearby certify that the abov sted above.			Driver Name: Truck Number: 1 Phone No.: Generator's site listed above and deliver	ed without incident to the disposal facility
		Driver	Signature	
hereby certify that accordin determination, the above des			C-138 ct (RCRA) and the Environmental Protect	ction Agency's July 1988 regulatory
RCRA Exempt:	Oil field wastes generated f (Gandy Marley, Inc. accept		ploration and production operations and a per month only basis.)	are not mixed with non-exempt waste.
RCRA NON-EXEMPT:	established in RCRA regula	ations, 40 CFR 26	oes not exceed the minimum standards 1.21-261-24, or listed hazardous waste a emonstrating the waste as non-hazardou	as defined by 40 CFR, part 261, subpart E
MSDS Information			RCRA Hazardous Waste Analysi	s
		Other (Provide	Description Below)	
Emergency No		cumentation of nor	oilfied waste that has been ordered by th n-hazardous waste determination, and a	ne Department of Public Safety. description of the waste must
	Name	and the second	Signatu	re
	Kimberly Murphy		Heritarly 1.	Turphy
	Name	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Signatu	re

GM inc.		)N-HAZARDOUS OILFIEL	D WASTE MANIFEST/DISPOSAL TICKET	Ticket Number 106311 09/18/24 09:06 AM
G	*	GEN	ERATOR	
Generator: CAMBI Generator Contact PO BOX 272 MIDLAND, TX 797 Phone No.: (432)6	02	Lease: CHEM STAT Location: CHEM ST Job Contact: CHRIS Phone Number: (43 Email:	ATE #1 S GADDY	,
			AL FACILITY	
Site Name/Permit P.O. Box 1658 Roswell, NM 8820 Office (575) 347-0 Fax (575)347-0438	2 434	farm (NM-711-1-0020)	NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:	
			MATERIAL	
Material		Quantity	Cell	
OCD EXEMPT SC	ILS	20.00 YDS	LF	
		TRAN	SPORTER	
Name: PONDERC Address: Phone No.:	SA TRUCKING		Driver Name: Truck Number: 1 Phone No.:	-
I Hearby certify that the above listed above.	e named material(s) w	as/were picked up at the G	Generator's site listed above and delivered witho	ut incident to the disposal facility
		OFGV.	A MORICE	
	· · · · · · · · · · · · · · · · · · ·	Driver	Signature	
			2-138	
I hereby certify that accordin determination, the above determination		servation and Recove <b>ry</b> Ac	ct (RCRA) and the Environmental Protection Age	ency's July 1988 regulatory
RCRA Exempt:		erated from oil and gas ex accepts certifications on a	ploration and production operations and are not a per month only basis.)	mixed with non-exempt waste.
RCRA NON-EXEMPT:	established in RCR.	A regulations, 40 CFR 261	bes not exceed the minimum standards for waste .21-261-24, or listed hazardous waste as define monstrating the waste as non-hazardous is atta	ed by 40 CFR, part 261, subpart D
MSDS Information			RCRA Hazardous Waste Analysis	
		Other (Provide	Description Below)	
	Emerge	ancy non-hazardous, non-c	bilfied waste that has been ordered by the Depa	tment of Public Safety.
Emergency No.	n-Oilfield: (The or	der, documentation of non pany this form.)	-hazardous waste determination, and a descript	ion of the waste must
Emergency No.	n-Oilfield: (The or		-hazardous waste determination, and a descript	ion of the waste must
Emergency No.	n-Oilfield: (The or		-hazardous waste determination, and a descript Signature	ion of the waste must
Emergency No.	n-Oilfield: (The on accomp	pany this form.)	Signature	ion of the waste must
Emergency No.	n-Oilfield: (The orn accomp	pany this form.)		ion of the waste must

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number 106388

09/19/24 10:51 AM

Generator: CAMBRIAN MANAGEMENT
Generator Contact:
PO BOX 272
MIDLAND, TX 79702
Phone No.: (432)620-9181

#### GENERATOR Lease: CHEM STATE #1 Location: CHEM STATE #1 Job Contact: CHRIS GADDY Phone Number: (432)620-9181 Email:

DISPO	SAL FACILITY
Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020) P.O. Box 1658 Roswell, NM 88202 Office (575) 347-0434 Fax (575)347-0435	NORM Re Reading > Pass the I Box Numb

NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:

Fax (575)347-043		WAST	EMATERIAL	distance and the second of the
Material		Quantity		Cell
OCD EXEMPT SO	DILS	20.00 YDS		LF
		TRAN	NSPORTER	
Name: EL PRIMC Address: Phone No.:			Driver Name: Truck Number: 1 Phone No.:	ove and delivered without insident to the disperal facility.
listed above.	ve named ma	iterial(s) was/were picked up at the	Generator's site listed ab	ove and delivered without incident to the disposal facility
		OSCAV 1	A Mollig	
		Drive	r Signature	
I hereby certify that accordin determination, the above de		ource Conservation and Recovery A	C-138 Act (RCRA) and the Envir	onmental Protection Agency's July 1988 regulatory
RCRA Exempt:		vastes generated from oil and gas e Marley, Inc. accepts certifications on		operations and are not mixed with non-exempt waste.
RCRA NON-EXEMPT:	establish		61.21-261-24, or listed has	num standards for waste hazardous by characteristics zardous waste as defined by 40 CFR, part 261, subpart D s non-hazardous is attached:
MSDS Information			RCRA Hazardous	s Waste Analysis
		Other (Provide	e Description Below)	
Emergency No	on-Oilfield:	Emergency non-hazardous, non- (The order, documentation of non- accompany this form.)	-oilfied waste that has be n-hazardous waste deter	en ordered by the Department of Public Safety. mination, and a description of the waste must
		Nama		Signature
		Name		Signature
				1/-1 1 M 1
	Kim	berly Murphy		Russing Marghey
		Name		Signature

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eceived by OCD: 3/26/20	025 8:20:29 PM			Page 208 o
GM inc.				Ticket Number 106398
	J NEW MEXICO NON-	All a straight of the straight	WASTE MANIFEST/DISPOS	SAL TICKET / 09/19/24 01:40 PM
Concretor: CAMP	RIAN MANAGEMENT	GENER Lease: CHEM STATE	RATOR	
Generator Contact PO BOX 272 MIDLAND, TX 797 Phone No.: (432)6	t: 702	Lease. CHEM STATE Location: CHEM STAT Job Contact: CHRIS C Phone Number: (432) Email:	TE #1 GADDY	
		DISPOSAL	FACILITY	2.700 T
Site Name/Permit P.O. Box 1658 Roswell, NM 8820 Office (575) 347-0 Fax (575)347-043	434	n (NM-711-1-0020)	NORM Readings Taken: No Reading > 50 micro roentge Pass the Paint Filter Test: N Box Number:	ens: No
		WASTE N	ATERIAL	
Material		Quantity	Ce	
OCD EXEMPT SC	DILS	20.00 YDS	LF	
		TRANSF	PORTER	
Name: EL PRIMO Address: Phone No.:	TRUCKING		Driver Name: Truck Number: 1 Phone No.:	
	ve named material(s) was/	were picked up at the Ge	nerator's site listed above and	d delivered without incident to the disposal facilit
isted above.		6		
		19 and	fro-alog	
		de Carv /	( unit )	
		Driver S	ignature	
I hereby certify that accordin determination, the above de			138 (RCRA) and the Environment	tal Protection Agency's July 1988 regulatory
RCRA Exempt:	(Gandy Marley, Inc. ac	ccepts certifications on a p	per month only basis.)	tions and are not mixed with non-exempt waste.
RCRA NON-EXEMPT:	established in RCRA r	egulations, 40 CFR 261.2	s not exceed the minimum sta 21-261-24, or listed hazardous onstrating the waste as non-h	andards for waste hazardous by characteristics s waste as defined by 40 CFR, part 261, subpart nazardous is attached:
MSDS Information			RCRA Hazardous Waste	e Analysis
		Other (Provide D	escription Below)	
Emergency No	Emergenc n-Oilfield: (The order	y non-hazardous, non-oil , documentation of non-h y this form.)	fied waste that has been orde azardous waste determinatio	ared by the Department of Public Safety. n, and a description of the waste must
****	Name		S	lignature
		by.	Previlo	uly Murphy
	Kimberly Murp	ny		
	A.1.		0	Signature
	Name		3	ngnature

M inc.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Page 209 of 249

Ticket Number 106420 09/19/24 04:36 PM

Generator: CAMBRIAN MANAGEMENT Generator Contact: PO BOX 272 MIDLAND, TX 79702 Phone No.: (432)620-9181 GENERATOR Lease: CHEM STATE #1 Location: CHEM STATE #1 Job Contact: CHRIS GADDY Phone Number: (432)620-9181 Email:

DISPOS	AL FACILITY
Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020) P.O. Box 1658 Roswell, NM 88202 Office (575) 347-0434 Fax (575)347-0435	NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:
WAST	EMATERIAL

Material	Quantity	Cell	
OCD EXEMPT SOILS	20.00 YDS	LF	

Name: EL PRIMO TRUCKING Address: Phone No.: Driver Name: Truck Number: 1 Phone No.:

I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

TRANSPORTER

Lav & rades

Driver Signature

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

☑ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)
 ○ Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D,

as amended. The following documentation demonstrating the waste as non-hazardous is attached:

MSDS Information

Other (Provide Description Below)

Emergency Non-Oilfield:

Emergency non-hazardous, non-oilfied waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

RCRA Hazardous Waste Analysis

Name

Signature

Kimberly Murphy

Name

Runbuly Murphy

Signature

Received l	y OCD	: 3/26/2	025 8:	:20:29	PM
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Page 210 of 249

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6.	NEW MEXICO NC	ON-HAZARDOUS OILFIELD W	ASTE MANIFEST / I	
M inc.	71.8	19		
J		GENERA	TOR	icin
Generator Name	1 pride 1	<u>Nan</u>	Lease/Well	igin
Address			Name & No	
			County	
City, State, Zip				
Phone No.			Rig Name & No	0·
Company Man			AFE/PO No	
TRUCK TIM	IF STAMP	DISPOSAL F	ACILITY	RECEIVING AREA
IN:OU				Name/No. Landfill
Site Name / Permit No. Comm	nercial Landfill (NM-01-001	19)	Phone No. 57	5-347-0434
Address	ox 1658 Roswell, NM 8820			
	ten? (Circle One) YES	NO	If YES, was rea	ading > 50 micro roentgens? (Circle One) YES, NO
Pass the Paint Filter	Test? (Circle One) YES	NO TRANSPO	RTER	
Transporter's Name	CUTICE .			
Address				
Phone No.				
, , , , , , , , , , , , , , , , , , , ,		cked up at the Generator's		d delivered without incident to the disposal facility listed below.
			alials	4 DEal & Malalo
SHIPMENT DATE	DRIVER'S SIGNATL	JRE	DELIVERY	Y DATE DRIVER'S SIGNATURE
Exempt E	&P Waste/Service Identific	cation and Amount (Plac	e volume next to	waste type in barrels or cubic yards)
Oil Based Muds		Fluid/Flowback		OTHER EXEMPT WASTE
Oil Based Cuttings		/ater (Non-Injectable)		-
Water Based Muds Water Based Cuttings	Gathering Li	ine Water/Waste ter		
Produced Formation Solids	Truck Wash			OTHER NON-EXEMPT WASTE
Tank Bottoms E&P Contaminated Soil	Trash & Deb	pris		
Gas Plant Waste				
WASTE GENERATION PROCESS	Drilling	Completion	🗆 Pr	roduction Gathering Lines
	Non-Exe	empt E&P Waste/Service	Identification an	nd Amount
			ld limits for toxicity (	TCLP), ignition, corrosiveness, and reactivity.)
Non-Exempt Other:			*Please select	from Non-Exempt Waste List on back
QUANTITY:	B - Barrels	L - Li	iquid 🥧	Y - Yards E - Each
		<u>C-13</u>	<u>8</u>	
I hereby certify that according to t	he Resource Conservation and	Recovery Act (RCRA) and th	ne US Environmenta	I Protection Agency's July 1988 regulatory determination, the above
described waste load is (Check the RCRA EXEMPT:	Oil field wastes generated fro		d production operat	tions and are not mixed with non-exempt waste. (Gandy Marley, Inc.
0	accepts certifications on a pe		and the second of the second	anderde for worte bezardene by abarratoristic and billions in DODA
RCRA NON-EXEMPT:	Oil field waste which is non-h regulations, 40 CFR 261.21-2 demonstrating the waste as n	61.24, or listed hazardous wa	ste as defined by 40	andards for waste hazardous by characteristics established in RCRA CFR, part 261, subpart D, as amended. The following documentation e items as provided.)
MSDS Info	rmation	RCRA Hazardous	Waste Analysis	Other (Provide Description Below)
	T			
EMERGENCY NON-OILFIELD	: Emergency non-hazardous, n ous waste determination and	non-oilfield waste that has been a description of the waste m	en ordered by the De ust accompany this	epartment of Public Safety. (The order, documentation of non-hazard- form.)
(PRINT) AUTHORIZED AG	ENTS SIGNATURE	DATE		SIGNATURE

CHAI

GENERATOR           GENERATOR           Generator CAMBRIAN MANAGEMENT PO BOX 272 Denote VX 72 Phone No. (342)820-9181         Location: CHEM STATE #1 Location: CHEM STATE #1 DISPOSAL FACILITY           Site Name/Permit No: (32)820-9181         Email:           DISPOSAL FACILITY           Site Name/Permit No: Commercial Landfarm (NM-711-1-0020)           NORM Readings Taken: No Reading > 60 micor contentgens: No Pass the Path Filter Test: No Box Number:           Material         Quantity           Cell         Cold           COC EXEMPT SOLS         2.00 YDS           TransPorter         Trans Name: Trans Name: Trans Name: Trans Name: Trans Name: Phone No:           I Hearly contribut the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.           I Hearly contribut the above named material(s) was/were picked Up at the Generator's site listed above and delivered without incident to the disposal facility listed above.           I Hearly contribut that according to the Resource Conservation and Recovery AC (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above destrobed waste bad is: (Gandy Margi, Inc. accepts certifications on a per month only basis.)           I heavy certify that according to the Resource Conservation and Recovery AC (RCRA) and the Environmental Protection Agency's July 1988 regulatory determina		NEW MEX	KICO NON-HAZARDOUS OILFIEL	D WASTE MANIFEST/DISPOSAL TICKET	Ticket Number 106442 09/20/24 10:51 AM
Generator Contact: PO BOX 272 Phone Number: (432)820-9181       Loadion: CHEM STATE H1 Job Contact: CHRIS GADDY Phone Number: (432)820-9181         WIDLAND, TX 2702 Phone NL: (32)820-9181       USPOSAL FACILITY         Site Name/Formit No: Commercial Landfarm (NM-711-1-020) Rosewith, NM 8520 Coffice (575) 937-7043       NORK Readings Taken: No Pass the Paint Filter Test: No Box Number:         Material       Quantity       Cell         OCD EXEMPT SOLS       0.00 YDS       LF         Name: EL PRIMO TRUCKING Address: Phone No:       Dref Name: Thom No:       Dref Name: Thom No:         I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.         I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.         I hereby certify that according to the Resource Conservation and Recovery Ad (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above desorbed waste load is:         @ RCRA Exempt:       Oil field wastes generated from all and gas exploration and production operations and are not mixed with non-exempt waste. (Genery Markey, Inc. accepts certifications on a per month only basis.)         OUT field wastes generated from all and gas exploration and production operations and are not mixed with non-exempt waste. (Genery Markey, Inc. accepts certifications on a per month only basis.)         Other (Provide Desoription Below)	No. Sold		GEN	ERATOR	
Site Name/Fermit No: Commercial Landam (NM-711-1-0020)       NORM Readings Taker: No         Proventi, NM 82020       Office (57) 347-0433         Fax (57) 347-0435       WASTE MATERIAL         Material       Quantity       Cell         OCD EXEMPT SOILS       20.00 YDS       LF         Name: EL PRIMO TRUCKING       Diver Name:       Transporter         Address:       Price Name       Price Name         Price No:       Driver Signature       C-13         I hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility         I hearby certify that according to the Resource Conservation and Recovery Act (RGRA) and the Environmental Protection Agency's July 1988 regulatory         determination, the above described waste load is:       C-138         RCRA Exempt:       Oil field waste operated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a par monit only basis.)         CRCRA NON-EXEMPT:       Oil field waste which is non-hazardous that does not exceed the minihinum standards for waste hazardous by characteristics estabilished in RCRA regulations, 40 CFR 261.243:24,24 or isade hazardous waste a defined by 40 CFR, par 261, subpart as amended. The following documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)         Other (Provide Description Below)       Em	Generator Contac PO BOX 272 MIDLAND, TX 79	rt: 702	Location: CHEM ST Job Contact: CHRIS Phone Number: (43)	ATE #1 © GADDY	
P.O. Box 1658       Reading > 60 micro contgens: No         Rowell, NM 82020       Diffee (375) 347-0434         Office (375) 347-0435       WASTE MATERIAL         Material       Quantity         CCD EXEMPT SOILS       20.00 YDS         UF       TRANSPORTER         Name: EL PRIMO TRUCKING       Driver Name:         Address:       Truck Number: 1         Phone No::       Phone No:         I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.         I Hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste bad is in en-hazardous that does not exceed the minimum standards for waste is address.         I Nereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste bad is in en-hazardous that does not exceed the minimum standards for waste is addred by 40 CFR, par 261, subpart as amended. The following documentation demonstrating the waste as a defined by 40 CFR, par 261, subpart as amended. The following documentation demonstrating the waste as a defined by 40 CFR, par 261, subpart as amended. The following documentation demonstrating the waste as a defined by 40 CFR, par 261, subpart as amended. The following documentation demonstrating the waste as a defined by 40 CFR, par 261, subpart as amended. The following documentation demonstratous waste deter			DISPOS	AL FACILITY	
Material       Quantity       Cell         OCD EXEMPT SOLS       20.00 YDS       LF         TRANSPORTER       Driver Name: Truck Number: 1 Prone No:       Driver Name: Truck Number: 2         I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.         I Hearby certify that the above conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load at:         RCRA Exempt:       Oli field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Mariey, Inc. accepts certifications on a per month only basis.)         RCRA NON-EXEMPT:       Oli field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Mariey, Inc. accepts certifications on a per month only basis.)         MSDS Information       Oli field wastes generated from oil and gas exploration and production operations waste as defined by 40 CFR, part 261, subpart as amended. The following documentation demonstrating the waste as non-hazardous waste as defined by 40 CFR, part 261, subpart as amended. The following documentation demon-hazardous waste determination, and a description of the waste must accompany this form.)         Image:Emergency Non-Olifiedic       Emergency non-hazardous, waste determination, and a description of the waste must accompany this form.)         Image:       Name       Signature	P.O. Box 1658 Roswell, NM 8820 Office (575) 347-0	)2 )434	ial Landfarm (NM-711-1-0020)	Reading > 50 micro roentgens: No Pass the Paint Filter Test: No	
OCD EXEMPT SOILS       20.00 YDS       LF         Name: EL PRIMO TRUCKING Address: Phone No:       Driver Name: Truck Number: 1 Phone No.:       Driver Name: Truck Number: 1 Phone No.:         Hearty certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.       Image: Comparison of the disposal facility phone No.:         Inhereby certify that according to the Resource Conservation and Recovery Act (RGRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:         RCRA Exempt:       Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basi.)         MCRA Exempt:       Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)         MRCRA INNI-EXEMPT:       Oil field waste vich is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA R261,21-261-24, or listed hazardous waste bas defined by 40 CFR, part 261, subpart as amended. The following documentation demonstraing the waste annihazardous waste analysis Other (Provide Description Below)         Immegency Non-Olifield:       Emergency non-hazardous, non-oilfield waste determination, and a description of the waste must accompany this form.)         Name       Signature         Name       Signature </td <td></td> <td></td> <td>WASTE</td> <td>MATERIAL</td> <td></td>			WASTE	MATERIAL	
TRANSPORTER         Name: EL PRIMO TRUCKING Address:       Driver Name: Truck Number: 1 Phone No.:         I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.         I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.         I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:         RCRA Exempt:       Oil field wastes generated from all and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)         Oil field waste seguenciated from all and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)         Oil field waste seguenciated from all and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)         Oil field waste generated from all and gas exploration and production operations waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart as amended. The following documentation demonstraing the waste anon-hazardous is attached: (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)	Material		Quantity	Cell	
Name: EL PRIMO TRUCKING Address: Driver Name: Index Number: 1 Phore No:       Driver Name: Index Number: 1 Phore No:         I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.         I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.         I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described wastle load is:         I Nercea Exempt:       Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)         Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics as amended. The following documentation demonstrating the waste as non-hazardous as the abored of CFR, part 261, subpart as amended. The following documentation demonstrating the waste as non-hazardous waste hazardous by characteristics Other (Provide Description Below)         I Emergency Non-Oilfield:       Emergency non-hazardous, maste determination, and a description of the waste must accompany this form.)         I mergency Non-Oilfield:       Emergency non-hazardous waste determination, and a description of the waste must accompany this form.)         I mergency Non-Oilfield:       Emergency non-hazardous waste determination, and a description of the waste must accompany this form.)	OCD EXEMPT SO	DILS	20.00 YDS	LF	
Address:       Truck Number: 1         Phone No.:       Phone No.:         I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.         I Metaby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.         I Metaby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:         I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:         I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) on a per month only basis.)         I hereby certify that according to the Resource Conservation and gas exploration and production operations and are not mixed with non-exempt waste. (Gland Mariey, Inc. accepts certifications on a per month only basis.)         I hereby certify that according to the Resource Conservation and production operations and are not mixed with non-exempt waste. (Gland Wariey, Inc. accepts certifications on a per month only basis.)         I hereby certify that according to the Resource Conservation and production operations and are not mixed with non-exempt waste. (Gland Wariey, Inc. accepts certifications on a per month only basis.)         I hereby certify that according to the Resource Conservation of thereby certifications. Of the Resource conservation and			TRAN	SPORTER	
Itsted above.       Image: A market is a second and the	Address:	TRUCKING		Truck Number: 1	
Energency Non-Oliffeld:     Emergency Non-Oliffeld:     Mame	I Hearby certify that the abo	ve named mate	erial(s) was/were picked up at the G	Generator's site listed above and delivered without	out incident to the disposal facility
C-138         I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:         Image: Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:         Image: Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:         Image: Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:         Image: Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:         Image: Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:         Image: Conservation and Production operations and are not mixed with non-exempt waste. (Gandy Mariey, Inc. accepts certifications on a per month only basis.)         Image: Conservation and Production operations and are not mixed with non-exempt waste. (Gandy Mariey, Inc. accepts certifications on a per month only basis.)         Image: Conservation and Production operations and are not mixed with non-exempt waste. (Gandy Mariey, Inc. accepts certifications on a per month only basis.)         Image: Conservation and Production operations and Production operations and an environmental Protections and a description of the waste as anon-hazardous waste as anon-hazardous waste Analysis			· · · · · · · · · · · · · · · · · · ·	-	
I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:         Image: State in the above described waste load is:       Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)         Image: State in the above described waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart as amended. The following documentation demonstrating the waste as non-hazardous is attached:         Image: I					
Image: Create Acting to the set of			rce Conservation and Recovery Ad		ency's July 1988 regulatory
RCRA NON-EXEMPT:       established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart i as amended. The following documentation demonstrating the waste as non-hazardous is attached:         MSDS Information       RCRA Hazardous Waste Analysis         Other (Provide Description Below)       Other (Provide Description Below)         Emergency Non-Oiffield:       Emergency non-hazardous, non-oiffied waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)         Name       Signature         Kimberly Murphy       Kimberly Murphy	RCRA Exempt:				t mixed with non-exempt waste.
Other (Provide Description Below)         Emergency Non-Oilfield:         Emergency Non-Oilfield:         Emergency Non-Oilfield:         Name         Signature         Kimberly Murphy	RCRA NON-EXEMPT:	established	I in RCRA regulations, 40 CFR 261	.21-261-24, or listed hazardous waste as define	ed by 40 CFR, part 261, subpart i
Emergency Non-Oilfield:       Emergency non-hazardous, non-oilfied waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)         Name       Signature         Kimberly Murphy       Kimberly Murphy	MSDS Information			RCRA Hazardous Waste Analysis	
Emergency Non-Oilfield:       (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)         Name       Signature         Kimberly Murphy       Kimby Kurphy			Other (Provide	Description Below)	
Kimberly Murphy Kurphy	Emergency No	on-Oilfield:	(The order, documentation of non		
Kimberly Murphy Kurphy			Name	Signature	
				Signature	14.44.142
Name Signature		Kimb	erly Murphy	Hurberty Murgale	
			Name	Signature	

Generator: CAMBRIAN MANAGEMENT

Ticket Number 106462

09/20/24 01:33 PM

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Generator Contact:

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

GENERATOR Lease: CHEM STATE #1 Location: CHEM STATE #1 Job Contact: CHRIS GADDY Phone Number: (432)620-9181 Email:

PO BOX 272 MIDLAND, TX 797 Phone No.: (432)6	702 Phone	contact: CHRIS G e Number: (432)6 :	
		DISPOSAL	FACILITY
Site Name/Permit P.O. Box 1658 Roswell, NM 8820 Office (575) 347-0 Fax (575)347-043	434		NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:
		WASTE M	ATERIAL
Material Quantity		ntity	Cell
OCD EXEMPT SC	DILS 20.00	YDS	LF
Name: EL PRIMO Address: Phone No.:		TRANSP	Driver Name: Truck Number: 1 Phone No.:
I Hearby certify that the above listed above.	e named material(s) was/were pick	ied up at the Ger	nerator's site listed above and delivered without incident to the disposal facility
		Driver Si	gnature
I hereby certify that accordin determination, the above dea RCRA Exempt:	Cribed waste load is: Oil field wastes generated from (Gandy Marley, Inc. accepts cer Oil field waste which is non-haze established in RCRA regulations	oil and gas explo tifications on a p ardous that does s, 40 CFR 261.2'	RCRA) and the Environmental Protection Agency's July 1988 regulatory pration and production operations and are not mixed with non-exempt waste.
MSDS Information			RCRA Hazardous Waste Analysis
	C	Other (Provide De	escription Below)
Emergency No	Emergency non-haz n-Oilfield: (The order, docume accompany this form	ntation of non-ha	ed waste that has been ordered by the Department of Public Safety. azardous waste determination, and a description of the waste must
	Name		Signature
	Kimberly Murphy		Kentury Murphy

Received by OCD: 3/26/20				Page 213 of 2
G		ON-HAZARDOUS OILFIELD WAS	TE MANIFEST /	DISPOSAL TICKET
Winc.	718	50		
Generator Name	under A.	GENERATO	Location of Or	rigin
Address				
City, State, Zip			API No.	
Phone No.				lo
Company Man			AFE/PO No	
TRUCK TI	ME STAMP	DISPOSAL FAC	ILITY	RECEIVING AREA
IN:O	UT:			Name/No. Landfill
Site Name / Permit No. Com	mercial Landfill (NM-01-00	19)	Phone No. 57	
	Box 1658 Roswell, NM 8820			
NORM Readings Ta	ken? (Circle One) YES r Test? (Circle One) YES		If YES, was rea	eading > 50 micro roentgens? (Circle One) YES No
	1 Bern To	TRANSPORT	ER	
Transporter's Name	1 1 1 2 1 A			· · · · · · · · · · · · · · · · · · ·
Address				
			Bin No.	
Phone No.				
I hereby certify that the above n	amed material(s) was/were pio	cked up at the Generator's site	listed above an	nd delivered without incident to the disposal facility listed below
SHIPMENT DATE	DRIVER'S SIGNATU	IRE	DELIVERY	AY DATE DRIVER'S SIGNATURE
				o waste type in barrels or cubic yards)
Oil Based Muds		Fluid/Flowback	olume next to	OTHER EXEMPT WASTE
Oil Based Cuttings		Vater (Non-Injectable)		
Water Based Muds		ine Water/Waste		
Water Based Cuttings Produced Formation Solids	Cement Wa Truck Wash	out /Jet Out		OTHER NON-EXEMPT WASTE
Tank Bottoms	Trash & Deb	pris		
E&P Contaminated Soil Gas Plant Waste				
WASTE GENERATION PROCESS	S: D Drilling	Completion	🗆 Pr	roduction Gathering Lines
		empt E&P Waste/Service Ide		nd Amount
				(TCLP), ignition, corrosiveness, and reactivity.)
Non-Exempt Other:			*Please select	t from Non-Exempt Waste List on back
QUANTITY:	B - Barrels	L - Liqui	t	Y - Yards E - Each
		<u>C-138</u>		
I hereby certify that according to described waste load is (Check th		Recovery Act (RCRA) and the U	S Environmental	al Protection Agency's July 1988 regulatory determination, the abov
RCRA EXEMPT:	Oil field wastes generated fro accepts certifications on a pe		oduction operat	tions and are not mixed with non-exempt waste. (Gandy Marley, In
RCRA NON-EXEMPT:	regulations, 40 CFR 261.21-20		as defined by 40	andards for waste hazardous by characteristics established in RCR ) CFR, part 261, subpart D, as amended. The following documentatic ie items as provided.)
MSDS Info	ormation	RCRA Hazardous Wa	ste Analysis	Other (Provide Description Below)
		en alfield wests that has been	where of the De	epartment of Public Safety. (The order, documentation of non-hazard
		a description of the waste must a		
(PRINT) AUTHORIZED AG	GENTS SIGNATURE	DATE		SIGNATURE
1.61 51	- 1 1/			and the second sec
	ma de alla	0127		
NAME (PRINT)		ATE		TITLE SIGNATURE

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Generator Name	<b>RATOR</b> Location of Or         Lease/Well         Name & No.         County         County         API No.         Rig Name & N         AFE/PO No.         L FACILITY         Phone No.         If YES, was ready         Porter         Print Name         Truck No.	nigin Io RECEIVING AREA Name/No. Landfill
Generator Name	Location of Or Lease/Well Name & No County API No Rig Name & N AFE/PO No L FACILITY Phone No. 57 If YES, was rea PORTER Print Name Truck No	RECEIVING AREA           Name/No.         Landfill           75-347-0434
Generator Name	Location of Or Lease/Well Name & No County API No Rig Name & N AFE/PO No L FACILITY Phone No. 57 If YES, was rea PORTER Print Name Truck No	RECEIVING AREA           Name/No.         Landfill           75-347-0434
Address	Name & No County API No Rig Name & N AFE/PO No L FACILITY Phone No. 57 If YES, was rea PORTER Print Name Truck No	RECEIVING AREA           Name/No.         Landfill           75-347-0434
City, State, Zip Phone No Company Man TRUCK TIME STAMP DISPOSAL IN:OUT: Site Name / Permit No. Commercial Landfill (NM-01-0019) AddressRO. Box 1658 Roswell, NM 88202 NORM Readings Taken? (Circle One) YES NO Pass the Paint Filter Test? (Circle One) YES NO TRANSF	County API No Rig Name & N AFE/PO No L FACILITY Phone No. 57 If YES, was rea PORTER Print Name Truck No	IoRECEIVING AREA Name/NoLandfill 75-347-0434 ading > 50 micro roentgens? (Circle One) YES NO
Phone NoCompany Man TRUCK TIME STAMP DISPOSAL IN:OUT: Site Name / Permit No. Commercial Landfill (NM-01-0019) Address PO. Box 1658 Roswell, NM 88202 NORM Readings Taken? (Circle One) YES NO Pass the Paint Filter Test? (Circle One) YES NO TRANSF	Rig Name & N AFE/PO No L FACILITY Phone No. 57 If YES, was rea PORTER Print Name Truck No	RECEIVING AREA Name/No. Landfill 75-347-0434 vading > 50 micro roentgens? (Circle One) YES NC
Company Man DISPOSAL          TRUCK TIME STAMP         IN:       OUT:         Site Name / Permit No.       Commercial Landfill (NM-01-0019)         Address       P.O. Box 1658 Roswell, NM 88202         NORM Readings Taken? (Circle One)       YES         Pass the Paint Filter Test? (Circle One)       YES         OUT:       OUT:	AFE/PO No L FACILITY Phone No57 If YES, was rea PORTER Print Name Truck No	RECEIVING AREA Name/No. Landfill 75-347-0434 ading > 50 micro roentgens? (Circle One) YES NO
TRUCK TIME STAMP       DISPOSAL         IN:       OUT:       OUT:         Site Name / Permit No.       Commercial Landfill (NM-01-0019)         Address       P.O. Box 1658 Roswell, NM 88202         NORM Readings Taken? (Circle One)       YES         NORM Readings Taken? (Circle One)       YES         Pass the Paint Filter Test? (Circle One)       YES         Commercial Landfill       NOR	L FACILITY Phone No. <u>57</u> If YES, was rea PORTER Print Name Truck No	RECEIVING AREA Name/No. Landfill 75-347-0434 ading > 50 micro roentgens? (Circle One) YES NO
IN:       OUT:         Site Name / Permit No.       Commercial Landfill (NM-01-0019)         Address       P.O. Box 1658 Roswell, NM 88202         NORM Readings Taken? (Circle One)       YES         Pass the Paint Filter Test? (Circle One)       YES         NORM Readings Taken? (Circle One)       YES         Commercial Landfill (NM-01-0019)       Commercial Landfill (NM-01-0019)	Phone No. <u>57</u> If YES, was rea <b>PORTER</b> Print Name Truck No	Name/No. Landfill 75-347-0434 eading > 50 micro roentgens? (Circle One) YES NO
Site Name / Permit No. Commercial Landfill (NM-01-0019) Address P.O. Box 1658 Roswell, NM 88202 NORM Readings Taken? (Circle One) YES NO Pass the Paint Filter Test? (Circle One) YES NO TRANSF	If YES, was rea <b>PORTER</b> Print Name Truck No	75-347-0434 ading > 50 micro roentgens? (Circle One) YES NC
Address P.O. Box 1658 Roswell, NM 88202 NORM Readings Taken? (Circle One) YES NO Pass the Paint Filter Test? (Circle One) YES NO TRANSF	If YES, was rea <b>PORTER</b> Print Name Truck No	ading > 50 micro roentgens? (Circle One) YES NC
Address P.O. Box 1658 Roswell, NM 88202 NORM Readings Taken? (Circle One) YES NO Pass the Paint Filter Test? (Circle One) YES NO TRANSF	If YES, was rea <b>PORTER</b> Print Name Truck No	ading > 50 micro roentgens? (Circle One) YES NC
NORM Readings Taken? (Circle One) YES NO Pass the Paint Filter Test? (Circle One) YES NO TRANSF	PORTER Print Name Truck No	· · · · · · · · · · · · · · · · · · ·
TRANSF	Print Name Truck No	
Transporter's Name	Truck No.	
Address	Bin No.	
Phone No		
I hereby certify that the above named material(s) was/were picked up at the Generator		To I dove At
SHIPMENT DATE DRIVER'S SIGNATURE	DELIVER	Y DATE DRIVER'S SIGNATURE
Completion Fluid/Flowback	Place volume next to	
Oil Based Cuttings Produced Water (Non-Injectable)		
Water Based Muds Gathering Line Water/Waste Cement Water		
Produced Formation Solids Truck Washout /Jet Out		OTHER NON-EXEMPT WASTE
Tank Bottoms Trash & Debris		
Gas Plant Waste		
WASTE GENERATION PROCESS: Drilling Completion	🗆 Pr	roduction Gathering Lines
Non-Exempt E&P Waste/Serv		
(All non-exempt E&P waste must be analyzed and be below the three	eshold limits for toxicity (	TCLP), ignition, corrosiveness, and reactivity.)
Non-Exempt Other:	_	from Non-Exempt Waste List on back
QUANTITY:B - BarrelsL	- Liquid	Y - Yards E - Each
<u>C-</u>	138	
I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and described waste load is (Check the appropriate classification)	nd the US Environmental	Il Protection Agency's July 1988 regulatory determination, the abov
RCRA EXEMPT: Oil field wastes generated from oil and gas exploration accepts certifications on a per month only basis.)	n and production operat	tions and are not mixed with non-exempt waste. (Gandy Marley, Ind
	s waste as defined by 40	andards for waste hazardous by characteristics established in RCR CFR, part 261, subpart D, as amended. The following documentatio e items as provided.)
MSDS Information	lous Waste Analysis	Other (Provide Description Below)
EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has ous waste determination and a description of the waste		
(PRINT) AUTHORIZED AGENTS SIGNATURE DA	ATE	SIGNATURE

CHI

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eceived by OCD: 3/26/202	25 8:20:29 PM			<b>Page 215 of 2</b>
GM inc.	NEW MEXICO NON	-HAZARDOUS OILFI	ELD WASTE MANIFEST/DISPOSAL TICKET	Ticket Number 106553 * * * 09/24/24 10:19 AM
		GE	ENERATOR	
Generator: CAMBF Generator Contact: PO BOX 272 MIDLAND, TX 797 Phone No.: (432)62	02	Lease: CHEM ST Location: CHEM S Job Contact: CHF Phone Number: ( Email:	STATE #1 RIS GADDY	
		DISPO	DSAL FACILITY	
Site Name/Permit N P.O. Box 1658 Roswell, NM 88202 Office (575) 347-04 Fax (575)347-0435	134	m (NM-711-1-0020)	NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:	
		WAS	TE MATERIAL	
Material		Quantity	Cell	
OCD EXEMPT SO	ILS	20.00 YDS	LF	
		TRA	ANSPORTER	
Name: EL PRIMO Address: Phone No.:	TRUCKING		Driver Name: Truck Number: 1 Phone No.:	
I Hearby certify that the above listed above.	e named material(s) was	were picked up at the	e Generator's site listed above and delivered witho	out incident to the disposal facility
		R.L.		
		asav	Moribes	
		Drive	er Signature	
I hereby certify that according determination, the above des		rvation and Recovery	C-138 Act (RCRA) and the Environmental Protection Ag	ency's July 1988 regulatory
RCRA Exempt:			exploration and production operations and are not in a per month only basis.)	t mixed with non-exempt waste.
RCRA NON-EXEMPT:	established in RCRA	regulations, 40 CFR 2	does not exceed the minimum standards for wast 261.21-261-24, or listed hazardous waste as define demonstrating the waste as non-hazardous is atta	ed by 40 CFR, part 261, subpart D
MSDS Information			RCRA Hazardous Waste Analysis	
		Other (Provi	ide Description Below)	
Emergency Nor	n-Oilfield: (The orde	cy non-hazardous, no r, documentation of n ny this form.)	n-oilfied waste that has been ordered by the Depa on-hazardous waste determination, and a descrip	rtment of Public Safety. tion of the waste must
	Name		Signature	
	Kimberly Mur	ohy	Revitorly Neugh	-
	Name		Signature	

	NEW MEXICO NON-HAZARDOUS OIL	FIELD WASTE MANIFEST/DISPOSAL TICKET	Ticket Number 106582 09/24/24 02:34 PM		
		GENERATOR			
Generator: CAMBR Generator Contact: PO BOX 272 MIDLAND, TX 7970 Phone No.: (432)62	IAN MANAGEMENT Lease: CHEM S Location: CHEM Job Contact: Cl 2 Phone Number	STATE #1 M STATE #1	- -		
	DISF	POSAL FACILITY			
Site Name/Permit N P.O. Box 1658 Roswell, NM 88202 Office (575) 347-04 Fax (575)347-0435		) NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:			
	WA	STE MATERIAL			
Material	Quantity	Cell			
OCD EXEMPT SOI	LS 20.00 YDS	LF			
	TI	RANSPORTER	anno an anna an a		
Name: EL PRIMO T Address: Phone No.: I Hearby certify that the above		Driver Name: Truck Number: 01 Phone No.: the Generator's site listed above and delivered witho	ut incident to the disposal facility		
	·····	1 (Movabes			
	Dri	ver Signature			
I hereby certify that according determination, the above desc	to the Resource Conservation and Recove cribed waste load is:	C-138 ry Act (RCRA) and the Environmental Protection Age	ency's July 1988 regulatory		
RCRA Exempt:	Oil field wastes generated from oil and ga (Gandy Marley, Inc. accepts certifications	as exploration and production operations and are not s on a per month only basis.)	mixed with non-exempt waste.		
RCRA NON-EXEMPT:	established in RCRA regulations, 40 CFF	at does not exceed the minimum standards for waste & 261.21-261-24, or listed hazardous waste as define in demonstrating the waste as non-hazardous is atta	ed by 40 CFR, part 261, subpart D		
MSDS Information		RCRA Hazardous Waste Analysis			
	Other (Pro	ovide Description Below)			
Emergency Non-	Emergency non-hazardous, r Oilfield: (The order, documentation of accompany this form.)	non-oilfled waste that has been ordered by the Depar f non-hazardous waste determination, and a descript	rtment of Public Safety. ion of the waste must		
	Name	Signature	······································		
	Kimberly Murphy	Kurberly Murphy	-		
	Name	Signature			
Received by OCD: 3/26/20			MARTE MANUEROT /		Page 217 of 249
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G		NON-HAZARDOUS OILFIELD	WASTE MANIFEST /	DISPOSAL TICKE	
YVLinc.	71	876			
(Trans	1	GENER		igin	Server #1
Generator Name			Lease/Well		m Stats #1
Address					
City, State, Zip					
Phone No.					
Company Man			AFE/PU NO		
TRUCK TIM	E STAMP	DISPOSAL	FACILITY		RECEIVING AREA
IN:OU	T:	_		Name/No.	Landfill
Site Name / Permit No. Comm	nercial Landfill (NM-01-0	0019)	Phone No. 57	5-347-0434	
Address P.O. Bo	ox 1658 Roswell, NM 88	202			
	en? (Circle One) YES	NO	If YES, was rea	ading > 50 micro	o roentgens? (Circle One) YES NO
Pass the Paint Filter	Test? (Circle One) YES	NO TRANSPO	DETER		
Transporter's Name	Seine				
Address					
Phone No.					
			site listed above an	nd delivered with	out incident to the disposal facility listed below.
			GINE	34 3	OCAL MOLLIC,
SHIPMENT DATE	DRIVER'S SIGNA	ATURE	DELIVER	Y DATE	DRIVER'S SIGNATURE
Exempt Ea	&P Waste/Service Ident	ification and Amount (Pla	ce volume next to	waste type in	barrels or cubic yards)
Oil Based Muds		on Fluid/Flowback		OTHER EX	EMPT WASTE
Oil Based Cuttings Water Based Muds		Water (Non-Injectable)			
Water Based Cuttings	Cement V	Vater	· · · · · · · · · · · · · · · · · · ·	OTHER NO	DN-EXEMPT WASTE
Produced Formation Solids	Truck Wa	shout /Jet Out		OTHER NO	IN-EXEMPT WASTE
E&P Contaminated Soil					
Gas Plant Waste					
WASTE GENERATION PROCESS:		Completion		roduction	Gathering Lines
(All non-exe		xempt E&P Waste/Servic lyzed and be below the thresh			rrosiveness, and reactivity.)
Non-Exempt Other:			*Please select	from Non-Exempt	Waste List on back
QUANTITY:	B - Barrel	sL-	Liquid	Y - Yai	rds E - Each
		C-1:	38		
				I Protection Agence	y's July 1988 regulatory determination, the above
described waste load is (Check the		from oil and das exploration a	nd production operat	tions and are not r	nixed with non-exempt waste. (Gandy Marley, Inc.
RCRA EXEMPT:	accepts certifications on a				
RCRA NON-EXEMPT:	regulations, 40 CFR 261.21		aste as defined by 40	CFR, part 261, sul	hazardous by characteristics established in RCRA opart D, as amended. The following documentation 1.)
MSDS Infor	mation	RCRA Hazardou	s Waste Analysis		Other (Provide Description Below)
			-1-		
EMERGENCY NON-OILFIELD:		a, non-oilfield waste that has be nd a description of the waste r			c Safety. (The order, documentation of non-hazard-
(PRINT) AUTHORIZED AGE	ENTS SIGNATURE	DAT	E		SIGNATURE
		Section.			the second
Step-File	- and	10100		SMI	
NAME (PRINT)		DATE	1	ITLE	SIGNATURE

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SUPERIOR PRINTING SERVICE, INC.

	NEW MEXICO NO	N-HAZARDOUS OILFIELD W	ASTE MANIFEST /	DISPOSAL TICKET	A are se
M inc.	718	59			L
		GENERAT	OR		and the second
Generator Name	prion MA	Ares	Location of Or Lease/Well	rigin chem 58	stor 1
Address					
Address					
City, State, Zip		-			
Phone No.				0	
Company Man					
TRUCK TIM	E STAMP	DISPOSAL FA	CILITY	RECEIVING	AREA
IN:OU	т:			Name/No. Landfill	
		0)	51		
Site Name / Permit No. Comm	ox 1658 Roswell, NM 8820		Phone No. 57	0-0+7-0+0+	
Address P.O. Bo NORM Readings Take		NO	If YES, was re	ading > 50 micro roentgens? (Circle	One) YES NO
	Test? (Circle One) YES	NO			,
		TRANSPOR	RTER		
Transporter's Name	Prime True	t.ng_		Ord R.	
Address		0	Truck No	1	
			Bin No		
Phone No.			Phone No.		
I hereby certify that the above nat	med material(s) was/were pic	ked up at the Generator's si		nd delivered without incident to the dis	
			9-71-		MEXALPY
SHIPMENT DATE	DRIVER'S SIGNATU		DELIVER		or an an an a
Exempt E8			volume next to	o waste type in barrels or cubic ya	rds)
Oil Based Muds		Fluid/Flowback ater (Non-Injectable)		OTHER EXEMPT WASTE	
Oil Based Cuttings Water Based Muds		ne Water/Waste			
Water Based Cuttings	Cement Wat			OTHER NON-EXEMPT WASTE	
Produced Formation Solids	Truck Washo Trash & Debi				
E&P Contaminated Soil					
Gas Plant Waste					
WASTE GENERATION PROCESS:	Drilling	Completion	D Pi	roduction Gathe	ering Lines
(0)		mpt E&P Waste/Service		nd Amount (TCLP), ignition, corrosiveness, and reactive	vity)
				from Non-Exempt Waste List on back	
					E - Each
QUANTITY:	B - Barrels	L - Lic	luia	f - faros	E - Each
		<u>C-138</u>			
I hereby certify that according to the described waste load is (Check the		Recovery Act (RCRA) and the	e US Environmenta	al Protection Agency's July 1988 regulato	ry determination, the above
RCRA EXEMPT:			production opera	tions and are not mixed with non-exemp	t waste. (Gandy Marley, Inc.
RCRA NON-EXEMPT:	Oil field waste which is non-h	azardous that does not exce	ed the minimum st	andards for waste hazardous by characte	eristics established in RCRA
C HORA NON-EXEMPT.	regulations, 40 CFR 261.21-26 demonstrating the waste as no	51.24, or listed hazardous was	te as defined by 40	) CFR, part 261, subpart D, as amended. T	he following documentation
MSDS Infor	mation	RCRA Hazardous	Waste Analysis	Other (Provide De	escription Below)
EMERGENCY NON-OILFIELD:	Emergency non-hazardous, no ous waste determination and	on-oilfield waste that has been a description of the waste mu	n ordered by the D st accompany this	epartment of Public Safety. (The order, do form.)	cumentation of non-hazard-
(PRINT) AUTHORIZED AGE	ENTS SIGNATURE	DATE		SIGNATU	JRE
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		The second second	2.2		
<b>c</b> - 1	NEW MEXICO NOM	I-HAZARDOUS OILFIELD	WASTE MANIFEST /	DISPOSAL TICKET	5
M inc.	71.83	2.02			÷ •
		GENERA	TOR		
Generator Name	hion Md		Location of O	rigin	41
Address					
City, State, Zip					
Phone No.				lo	
Company Man			AFE/PO No		
TRUCK TIM	E STAND	DISPOSAL F	ACILITY	RECEIVING A	REA
A					
IN:OL	JT:			Name/No. Landfill	
Site Name / Permit NoComm	nercial Landfill (NM-01-0019	))	Phone No. 57	75-347-0434	
	ox 1658 Roswell, NM 88202				
NORM Readings Tal	ken? (Circle One) YES	NO	If YES, was re	ading > 50 micro roentgens? (Circle 0	One) YES NO
Pass the Paint Filter	Test? (Circle One) YES	NO			
01	-1 -1	TRANSPO		1	
Fransporter's Name	Mr. M. Ir	Church		DACY A-	
Address		0	Truck No.		
			Bin No		
Phone No					
			9-21-	nd delivered without incident to the disp	A MAGU
SHIPMENT DATE	DRIVER'S SIGNATUR		DELIVER		SIGNATURE
Exempt E			ce volume next to	o waste type in barrels or cubic yan	ds)
Dil Based Muds Dil Based Cuttings		luid/Flowback ter (Non-Injectable)		OTHER EXEMPT WASTE	
Water Based Muds		e Water/Waste			
Water Based Cuttings	Cement Wate			OTHER NON-EXEMPT WASTE	
Produced Formation Solids _ Tank Bottoms _	Truck Washou Trash & Debri				
E&P Contaminated Soil					
Gas Plant Waste					
WASTE GENERATION PROCESS	: Drilling	Completion	D P	roduction Gather	ing Lines
		npt E&P Waste/Service			
(All non-ex	empt E&P waste must be analyze	d and be below the thresho		(TCLP), ignition, corrosiveness, and reactiv	ity.)
Non-Exempt Other:				t from Non-Exempt Waste List on back	
QUANTITY:	B - Barrels	L - L	iquid	Y - Yards	E - Each
		<u>C-13</u>	18		
hereby certify that according to t	the Besource Conservation and P	Recovery Act (RCRA) and t	he US Environment	al Protection Agency's July 1988 regulator	y determination, the above
described waste load is (Check the	e appropriate classification)				
RCRA EXEMPT:	accepts certifications on a per	month only basis.)		tions and are not mixed with non-exempt	
RCRA NON-EXEMPT:	Oil field waste which is non-ha regulations, 40 CFR 261.21-26 demonstrating the waste as no	1.24, or listed hazardous wa	aste as defined by 40	andards for waste hazardous by characte ) CFR, part 261, subpart D, as amended. The te items as provided.)	ristics established in RCR/ he following documentation
MSDS Info		RCRA Hazardou		Other (Provide Des	scription Below)
EMERGENCY NON-OILFIELD	: Emergency non-hazardous, no ous waste determination and a	n-oilfield waste that has be description of the waste n	en ordered by the D nust accompany this	epartment of Public Safety. (The order, doo form.)	cumentation of non-hazard
(PRINT) AUTHORIZED AG	ENTS SIGNATURE	DATE		SIGNATU	RE

Chal

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	2025 8:20:29 PM			Page 220 of 24
G.		ON-HAZARDOUS OILFIELD	WASTE MANIFEST /	DISPOSAL TICKET
M_inc.	718	45		
		GENERA	Location of Or	iain
Generator Name	pr 12 March	- 11T	Lease/Well	igin that setting
Address				£
				· · · · · · · · · · · · · · · · · · ·
				0
Company Man			AFE/PO No	
TRUCK TI	ME STAMP	DISPOSAL F	ACILITY	RECEIVING AREA
IN:1/29-0	)UT·			Name/No. Landfill
and the second second				
	nmercial Landfill (NM-01-00		Phone No. 57	0-047-0404
	Box 1658 Roswell, NM 8820 Faken? (Circle One) YES	NO	If YES was rea	ading > 50 micro roentgens? (Circle One) YES NO
	er Test? (Circle One) YES	NO		
		TRANSPO	DRTER	
Transporter's Name <u>FL 6</u>	yi an twent	y Lic	Print Name	OSTAV A
Address	·			<u>/</u>
			Bin No.	<u></u>
hereby certify that the above i	named material(s) was/were pi	cked up at the Generator's	site listed above an	nd delivered without incident to the disposal facility listed below.
	DRIVER'S SIGNATI		DELIVER	Y DATE DRIVER'S SIGNATURE
SHIPMENT DATE				
			ce volume next to	o waste type in barrels or cubic yards)
Oil Based Muds Oil Based Cuttings		Fluid/Flowback Vater (Non-Injectable)		OTHER EXEMPT WASTE
Water Based Muds	Gathering L	ine Water/Waste		
Water Based Cuttings Produced Formation Solids	Cement Wa	iter iout /Jet Out		OTHER NON-EXEMPT WASTE
Tank Bottoms	Trash & Deb			
E&P Contaminated Soil	¥			
Gas Plant Waste WASTE GENERATION PROCES	S: D Drilling	Completion	D Pr	roduction
	b. Libraing	Gompletion		a dationing Lines
WASTE GENERATION PROCES	Non-Ex	empt F&P Waste/Service	e Identification ar	nd Amount
		empt E&P Waste/Service zed and be below the thresho		nd Amount TCLP), ignition, corrosiveness, and reactivity.)
(All non-e		zed and be below the thresho	old limits for toxicity (	
(All non-e	exempt E&P waste must be analyz	zed and be below the thresho	old limits for toxicity ( *Please select	TCLP), ignition, corrosiveness, and reactivity.)
(All non-e Non-Exempt Other:	exempt E&P waste must be analy:	zed and be below the thresho	old limits for toxicity ( *Please select	TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back
(All non-e Non-Exempt Other:	exempt E&P waste must be analy:	zed and be below the thresho 	old limits for toxicity ( *Please select .iquid	TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back
(All non-e Non-Exempt Other:	exempt E&P waste must be analy;	zed and be below the thresho L - L <u>C-13</u>	old limits for toxicity ( *Please select .iquid	TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back Y - Yards E - Each
(All non-e Non-Exempt Other:	exempt E&P waste must be analy, B - Barrels o the Resource Conservation and the appropriate classification)	zed and be below the thresho L - L <u>C-13</u> I Recovery Act (RCRA) and t	old limits for toxicity ( *Please select iquid 8 <u>8</u> he US Environmenta	TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back Y - Yards Protection Agency's July 1988 regulatory determination, the above
(All non-e Non-Exempt Other: QUANTITY: I hereby certify that according to	exempt E&P waste must be analy B - Barrels to the Resource Conservation and the appropriate classification) Oil field wastes generated fro	L - L L - L L - L I Recovery Act (RCRA) and t om oil and gas exploration a	old limits for toxicity ( *Please select iquid 8 <u>8</u> he US Environmenta	TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back Y - Yards E - Each
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(All non-e Non-Exempt Other: QUANTITY: I hereby certify that according to described waste load is (Check th	<ul> <li>B - Barrels</li> <li>B - Barrels</li> <li>b the Resource Conservation and the appropriate classification)</li> <li>Oil field wastes generated fro accepts certifications on a per Oil field waste which is non- regulations, 40 CFR 261.21-2</li> </ul>	L - L L - L -	bld limits for toxicity (	TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back Y - Yards E - Each Il Protection Agency's July 1988 regulatory determination, the above tions and are not mixed with non-exempt waste. (Gandy Marley, Inc. andards for waste hazardous by characteristics established in RCRA I CFR, part 261, subpart D, as amended. The following documentation
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(All non-e Non-Exempt Other: QUANTITY: I hereby certify that according to described waste load is (Check th RCRA EXEMPT: RCRA NON-EXEMPT:	<ul> <li>B - Barrels</li> <li>B - Barrels</li> <li>b the Resource Conservation and the appropriate classification)</li> <li>Oil field wastes generated fro accepts certifications on a per Oil field waste which is non- regulations, 40 CFR 261.21-2</li> </ul>	L - L L - L -	bld limits for toxicity (	TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back Y - Yards E - Each Il Protection Agency's July 1988 regulatory determination, the above tions and are not mixed with non-exempt waste. (Gandy Marley, Inc. andards for waste hazardous by characteristics established in RCRA I CFR, part 261, subpart D, as amended. The following documentation
(All non-e Non-Exempt Other: QUANTITY: I hereby certify that according to described waste load is (Check th RCRA EXEMPT: RCRA EXEMPT: RCRA NON-EXEMPT: MSDS Int	be a must be analyzed by a must be appropriate classification) Oil field wastes generated for accepts certifications on a period by a must be appropriate of the appropriate classification of the approprise classification of the appropriate class	L - L <u>C-13</u> I Recovery Act (RCRA) and t or oil and gas exploration and er month only basis.) hazardous that does not exc 61.24, or listed hazardous we hon-hazardous is attached. (C RCRA Hazardous	Add limits for toxicity ( *Please select iquid B be US Environmenta and production operat eed the minimum sta aste as defined by 40 Check the appropriate s Waste Analysis	TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back Y - Yards E - Each Il Protection Agency's July 1988 regulatory determination, the above tions and are not mixed with non-exempt waste. (Gandy Marley, Inc. andards for waste hazardous by characteristics established in RCRA I OFR, part 261, subpart D, as amended. The following documentation e items as provided.) Other (Provide Description Below)
(All non-e Non-Exempt Other: QUANTITY: I hereby certify that according to described waste load is (Check th RCRA EXEMPT: RCRA EXEMPT: RCRA NON-EXEMPT: MSDS Int	be a must be analyzed by a must be appropriate classification) Oil field wastes generated for accepts certifications on a period by a must be appropriate of the appropriate classification of the approprise classification of the appropriate class	L - L C-13 L - L C-13 Recovery Act (RCRA) and t or noil and gas exploration and er month only basis.) hazardous that does not exc 161.24, or listed hazardous wat hon-hazardous is attached. (C RCRA Hazardous hon-oilfield waste that has be	bld limits for toxicity (	TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back Y - Yards E - Each Il Protection Agency's July 1988 regulatory determination, the above tions and are not mixed with non-exempt waste. (Gandy Marley, Inc. andards for waste hazardous by characteristics established in RCRA I CFR, part 261, subpart D, as amended. The following documentation e items as provided.) Other (Provide Description Below) epartment of Public Safety. (The order, documentation of non-hazard-
(All non-e Non-Exempt Other: QUANTITY: I hereby certify that according to described waste load is (Check th RCRA EXEMPT: RCRA EXEMPT: RCRA NON-EXEMPT: MSDS Int	b the Resource Conservation and b the Resource Conservation and the appropriate classification) Oil field wastes generated fro accepts certifications on a per- Oil field waste which is non- regulations, 40 CFR 261.21-2 demonstrating the waste as r iformation     D: Emergency non-hazardous, r	L - L C-13 L - L C-13 Recovery Act (RCRA) and t or noil and gas exploration and er month only basis.) hazardous that does not exc 161.24, or listed hazardous wat hon-hazardous is attached. (C RCRA Hazardous hon-oilfield waste that has be	bld limits for toxicity (	TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back Y - Yards E - Each Il Protection Agency's July 1988 regulatory determination, the above tions and are not mixed with non-exempt waste. (Gandy Marley, Inc. andards for waste hazardous by characteristics established in RCRA I CFR, part 261, subpart D, as amended. The following documentation e items as provided.) Other (Provide Description Below) 
(All non-e Non-Exempt Other: QUANTITY: I hereby certify that according to described waste load is (Check th RCRA EXEMPT: RCRA EXEMPT: RCRA NON-EXEMPT: MSDS Int	b the Resource Conservation and b the Resource Conservation and the appropriate classification) Oil field wastes generated fro accepts certifications on a per- Oil field waste which is non- regulations, 40 CFR 261.21-2 demonstrating the waste as r iformation     D: Emergency non-hazardous, r	L - L C-13 L - L C-13 Recovery Act (RCRA) and t or noil and gas exploration and er month only basis.) hazardous that does not exc 161.24, or listed hazardous wat hon-hazardous is attached. (C RCRA Hazardous hon-oilfield waste that has be	bld limits for toxicity (	TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back Y - Yards E - Each Il Protection Agency's July 1988 regulatory determination, the above tions and are not mixed with non-exempt waste. (Gandy Marley, Inc. andards for waste hazardous by characteristics established in RCRA I CFR, part 261, subpart D, as amended. The following documentation e items as provided.) Other (Provide Description Below) 
(All non-e Non-Exempt Other: QUANTITY: I hereby certify that according to described waste load is (Check th RCRA EXEMPT: RCRA EXEMPT: RCRA NON-EXEMPT: MSDS Int	B - Barrels     B - Barrels     b the Resource Conservation and the appropriate classification)     Oil field wastes generated fr     accepts certifications on a pe     Oil field waste which is non-     regulations, 40 CFR 261.21-2     demonstrating the waste as r     formation     D: Emergency non-hazardous, r     ous waste determination and	L - L C-13 L - L C-13 Recovery Act (RCRA) and t or noil and gas exploration and er month only basis.) hazardous that does not exc 161.24, or listed hazardous wat hon-hazardous is attached. (C RCRA Hazardous hon-oilfield waste that has be	And limits for toxicity ( *Please select .iquid B he US Environmenta and production operations aste as defined by 40 Check the appropriate s Waste Analysis en ordered by the De- nust accompany this to a state as a company this to a state as a state as a state as a state as a state a state as a state as a state as a state as a state a state as a state a state as a state as a state as a state as a state a state as a state as a state as a state as a state a state as a state as a state as a state as a state a state as a state a state as a state a state as a state as	TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back Y - Yards E - Each Il Protection Agency's July 1988 regulatory determination, the above tions and are not mixed with non-exempt waste. (Gandy Marley, Inc. andards for waste hazardous by characteristics established in RCRA I CFR, part 261, subpart D, as amended. The following documentation e items as provided.) Other (Provide Description Below) epartment of Public Safety. (The order, documentation of non-hazard-
(All non-e Non-Exempt Other: QUANTITY: I hereby certify that according to described waste load is (Check ti RCRA EXEMPT: RCRA EXEMPT: RCRA NON-EXEMPT: MSDS Ini EMERGENCY NON-OILFIEL	B - Barrels     B - Barrels     b the Resource Conservation and the appropriate classification)     Oil field wastes generated fr     accepts certifications on a pe     Oil field waste which is non-     regulations, 40 CFR 261.21-2     demonstrating the waste as r     formation     D: Emergency non-hazardous, r     ous waste determination and	L - L C-13 C-13 Recovery Act (RCRA) and t or oil and gas exploration and ar month only basis.) hazardous that does not exc 261.24, or listed hazardous was hon-hazardous is attached. (C RCRA Hazardous hon-oilfield waste that has be a description of the waste m	And limits for toxicity ( *Please select .iquid B he US Environmenta and production operations aste as defined by 40 Check the appropriate s Waste Analysis en ordered by the De- nust accompany this to a state as a company this to a state as a state as a state as a state as a state a state as a state as a state as a state as a state a state as a state a state as a state as a state as a state as a state a state as a state as a state as a state as a state a state as a state as a state as a state as a state a state as a state a state as a state a state as a state as	TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back Y - Yards E - Each Il Protection Agency's July 1988 regulatory determination, the above tions and are not mixed with non-exempt waste. (Gandy Marley, Inc. andards for waste hazardous by characteristics established in RCRA I CFR, part 261, subpart D, as amended. The following documentation e items as provided.) Other (Provide Description Below) epartment of Public Safety. (The order, documentation of non-hazard- form.)
(All non-e Non-Exempt Other: QUANTITY: I hereby certify that according to described waste load is (Check ti RCRA EXEMPT: RCRA EXEMPT: RCRA NON-EXEMPT: MSDS Ini EMERGENCY NON-OILFIEL	B - Barrels     B - Barrels     b the Resource Conservation and the appropriate classification)     Oil field wastes generated fr     accepts certifications on a pe     Oil field waste which is non-     regulations, 40 CFR 261.21-2     demonstrating the waste as r     formation     D: Emergency non-hazardous, r     ous waste determination and	L - L C-13 C-13 Recovery Act (RCRA) and t or oil and gas exploration and ar month only basis.) hazardous that does not exc 261.24, or listed hazardous was hon-hazardous is attached. (C RCRA Hazardous hon-oilfield waste that has be a description of the waste m	And limits for toxicity ( *Please select iquid B the US Environmenta and production operations aste as defined by 40 Check the appropriate is Waste Analysis en ordered by the De- nust accompany this Environmental Production operations aste as defined by the De- nust accompany this Production operations Production operations P	TCLP), ignition, corrosiveness, and reactivity.) from Non-Exempt Waste List on back Y - Yards E - Each Il Protection Agency's July 1988 regulatory determination, the above tions and are not mixed with non-exempt waste. (Gandy Marley, Inc. andards for waste hazardous by characteristics established in RCRA CFR, part 261, subpart D, as amended. The following documentation e items as provided.) Other (Provide Description Below) epartment of Public Safety. (The order, documentation of non-hazard- form.)



		GEN	ERATOR
Generator: CAMBRIAN MANAGEMENT Generator Contact: PO BOX 272 MIDLAND, TX 79702 Phone No.: (432)620-9181		Lease: CHEM STAT Location: CHEM ST/ Job Contact: CHRIS Phone Number: (432 Email:	ATE #1 GADDY
		DISPOSA	AL FACILITY
Site Name/Permit P.O. Box 1658 Roswell, NM 8820 Office (575) 347-0 Fax (575)347-0435	2 434	Ifarm (NM-711-1-0020)	NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:
		WASTE	MATERIAL
Material		Quantity	Cell
OCD EXEMPT SO	ILS	20.00 YDS	LF
		TRANS	SPORTER
Name: QUEZADA Address: Phone No.:			Driver Name: Truck Number: 07 Phone No.:
I Hearby certify that the abov listed above.	e named material(s) w	vas/were picked up at the G	enerator's site listed above and delivered without incident to the disposal facility
		SAIME	AUEZAD 17
		Driver	Signature
I hereby certify that according determination, the above des			-138 tt (RCRA) and the Environmental Protection Agency's July 1988 regulatory
RCRA Exempt:	(Gandy Marley, Inc	accepts certifications on a	
RCRA NON-EXEMPT:	established in RCF	RA regulations, 40 CFR 261	es not exceed the minimum standards for waste hazardous by characteristics .21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart I monstrating the waste as non-hazardous is attached:
MSDS Information			RCRA Hazardous Waste Analysis
		Other (Provide	Description Below)
Emergency Nor	n-Oilfield: (The o		illfied waste that has been ordered by the Department of Public Safety. hazardous waste determination, and a description of the waste must
	Name		Signature
	Kimberly M	urphy	Herberty Murphy
	Name		Signature

nation-

Ticket Number

GML inc.	NEW MEXICO NON-HAZARDOUS OILF	FIELD WASTE MANIFEST/DISPOSAL TICKET	107346 10/14/24 01:33 PM
<u> </u>	G	GENERATOR	
Generator: CAMBR Generator Contact: PO BOX 272 MIDLAND, TX 7970 Phone No.: (432)62	IAN MANAGEMENT Lease: CHEM S Location: CHEM Job Contact: CH D2 Phone Number:	TATE #1 1 STATE #1 IRIS GADDY	
		OSAL FACILITY	
Site Name/Permit N P.O. Box 1658 Roswell, NM 88202 Office (575) 347-04: Fax (575)347-0435	34	NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:	
	WAS	STE MATERIAL	
Material	Quantity	Cell	
OCD EXEMPT SOI	LS 20.00 YDS	LF	
ett and an and a second se	TR	ANSPORTER	
Name: QUEZADA Address: Phone No.:	named material(a) was force side does at th	Driver Name: Truck Number: 07 Phone No.:	nut insident to the discuss! for the
listed above.	e named material(s) was/were picked up at ti	he Generator's site listed above and delivered with	but incident to the disposal facility
	JAIMA	equeropo	
	Driv	ver Signature	
I hereby certify that according determination, the above desc	cribed waste load is: Oil field wastes generated from oil and ga	C-138 y Act (RCRA) and the Environmental Protection Ages s exploration and production operations and are no	
RCRA NON-EXEMPT:	established in RCRA regulations, 40 CFR	on a per month only basis.) at does not exceed the minimum standards for was 261.21-261-24, or listed hazardous waste as defin n demonstrating the waste as non-hazardous is atta	ed by 40 CFR, part 261, subpart [
MSDS Information		RCRA Hazardous Waste Analysis	
	Other (Prov	vide Description Below)	
Emergency Non-	-Oilfield: (The order, documentation of accompany this form.)	on-oilfied waste that has been ordered by the Depa non-hazardous waste determination, and a descrip	
	Name	Signature	
		2-1. 1. March	
	Kimberly Murphy	Runbuly Plugh	

Released to Imaging: 4/25/2025 3:04:33 PM

Ticket Number 107359

		O NON-HAZARDOUS OILFIEL	D WASTE MANIFEST/DISPOSAL TICKET	Ticket Number 107359 10/14/24 04:19 PM
		GEN	ERATOR	
Generator: CAMBR Generator Contact: PO BOX 272 MIDLAND, TX 7970 Phone No.: (432)62	02		TE #1 ATE #1 \$ GADDY	
		DISPOS	AL FACILITY	
Site Name/Permit 1 P.O. Box 1658 Roswell, NM 88202 Office (575) 347-04 Fax (575)347-0435	2 134	Landfarm (NM-711-1-0020)	NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:	
haran and a second s		WASTE	MATERIAL	
Material		Quantity	Cell	
OCD EXEMPT SO	ILS	20.00 YDS	LF	
	We and the second	TRAN	SPORTER	The second s
Name: QUEZADA Address: Phone No.:			Driver Name: Truck Number: 09 Phone No.:	
I Hearby certify that the above listed above.	e named materia	I(s) was/were picked up at the C	Senerator's site listed above and delivered witho	ut incident to the disposal facility
		JAME (	SURAD N	
		Driver	Signature	
I hereby certify that according determination, the above des	cribed waste loa	Conservation and Recovery Addis:	C-138 ct (RCRA) and the Environmental Protection Age	
RCRA Exempt:		s generated from oil and gas ex y, Inc. accepts certifications on a	ploration and production operations and are not a per month only basis.)	mixed with non-exempt waste.
RCRA NON-EXEMPT:	established in	RCRA regulations, 40 CFR 261	bes not exceed the minimum standards for waste 1.21-261-24, or listed hazardous waste as define monstrating the waste as non-hazardous is atta	d by 40 CFR, part 261, subpart E
MSDS Information			RCRA Hazardous Waste Analysis	
		Other (Provide	Description Below)	
Emergency Nor	n-Oilfield: (T		bilfied waste that has been ordered by the Depar -hazardous waste determination, and a descript	
	Na	ame	Signature	
	Kimberl	y Murphy	Herberty Pherphy	
	Na	ame	Signature	

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Ticket Number 107381 10/15/24 12:53 PM

Generator: CAMBRIAN MANAGEMENT
Generator Contact:
PO BOX 272
MIDLAND, TX 79702
Phone No.: (432)620-9181

### GENERATOR Lease: CHEM STATE #1 Location: CHEM STATE #1 Job Contact: CHRIS GADDY Phone Number: (432)620-9181 Email:

	DISPOS	AL FACILITY		
Site Name/Permit No.: Commercia P.O. Box 1658 Roswell, NM 88202 Office (575) 347-0434 Fax (575)347-0435	ll Landfarm (NM-711-1-0020)	NORM Readings Tak Reading > 50 micro ro Pass the Paint Filter T Box Number:	pentgens: No	
	WASTE	MATERIAL		
Material	Quantity		Cell	
OCD EXEMPT SOILS	20.00 YDS		LF	
	TRAN	SPORTER		

Name: QUEZADA Address: Phone No.: Driver Name: Truck Number: 07 Phone No.:

I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above.

JAIME QUEZADA

**Driver Signature** 

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

 Image: CRA Exempt:
 Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. (Gandy Marley, Inc. accepts certifications on a per month only basis.)

 Image: CRA NON-EXEMPT:
 Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached:

 Image: Image: CRA Market Analysis
 Other (Denvide Departition Relaw)

Other (Provide Description Below)

Emergency Non-Oilfield:

Emergency non-hazardous, non-oilfied waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Kentraly Margaly

Signature



GMLinc.		-HAZARDOUS OILFIE	LD WASTE MANIFEST/DISPOSAL	1	ficket Number 07372 0/15/24 09:47 AM
		GE	NERATOR		
Generator: CAMBF Generator Contact PO BOX 272 MIDLAND, TX 797 Phone No.: (432)6	02	Lease: CHEM ST/ Location: CHEM S Job Contact: CHR Phone Number: (4 Email:	ATE #1 TATE #1 S GADDY		
		DISPO	SAL FACILITY		
Site Name/Permit I P.O. Box 1658 Roswell, NM 8820 Office (575) 347-04 Fax (575)347-0435	134	m (NM-711-1-0020)	NORM Readings Taken: No Reading > 50 micro roentgens Pass the Paint Filter Test: No Box Number:	:: No	
		WAST	E MATERIAL		
Material		Quantity	Cell		
OCD EXEMPT SO	ILS	20.00 YDS	LF		
		TRA	NSPORTER		
Name: QUEZADA Address: Phone No.:			Driver Name: Truck Number: 07 Phone No.:		
listed above.			Generator's site listed above and d		
			r Signature		
I hereby certify that according determination, the above des		rvation and Recovery	C-138 Act (RCRA) and the Environmental	Protection Agency's	s July 1988 regulatory
RCRA Exempt:			exploration and production operation a per month only basis.)	ns and are not mixe	d with non-exempt waste.
RCRA NON-EXEMPT:	established in RCRA	regulations, 40 CFR 20	loes not exceed the minimum stand 31.21-261-24, or listed hazardous w emonstrating the waste as non-haz	aste as defined by	40 CFR, part 261, subpart D
MSDS Information			RCRA Hazardous Waste A	nalysis	
		Other (Provid	e Description Below)		
Emergency Nor	n-Oilfield: (The orde		-oilfied waste that has been ordered n-hazardous waste determination, a		
	Name		Sig	nature	
			Rentred	1 Marphy	
	Kimberly Mur	ohy	(	12	
	Name		Sig	nature	

	HAZARDOUS OILFIE	ELD WASTE
Generator: CAMBRIAN MANAGEMENT Generator Contact: PO BOX 272 MIDLAND, TX 79702 Phone No.: (432)620-9181	GE Lease: CHEM ST Location: CHEM S Job Contact: CHF Phone Number: (4 Email:	STATE #1 RIS GADDY
	DISPO	SAL FACIL
Site Name/Permit No.: Commercial Landfill P.O. Box 1658 Roswell, NM 88202 Office (575) 347-0434 Fax (575)347-0435	(NM-01-0019)	NORM Readii Pass t Box N

WASTE MANIFEST/DISPOSAL TICKET

Ticket Number 107397 10/15/24 04:10 PM

E #1 TE #1 GADDY 620-9181

<ul> <li>Gandy Marley, Inc. accepts certifications on a per month only basis.)</li> <li>Gandy Marley, Inc. accepts certifications on a per month only basis.)</li> <li>Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazar established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 4 as amended. The following documentation demonstrating the waste as non-hazardous is attached:         <ul> <li>MSDS Information</li> <li>RCRA Hazardous Waste Analysis</li> <li>Other (Provide Description Below)</li> </ul> </li> <li>Emergency non-hazardous, non-oilfied waste that has been ordered by the Department</li> </ul>		DISPOSAL FACILITY
Material       Quantity       Cell         OCD EXEMPT SOLS       20.00 YDS       LF         Name: QUEZADA Address:       TRANSPORTER Truck Number: 09 Phone No.:       Driver Name: Truck Number: 09 Phone No.:         1 Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incic listed above.       Driver Signature         C-138       C-138         1 hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's determination, the above described waste load is:       Oil field wastes generated from oil and gas exploration and production operations and are not mixed (Gandy Marley, Inc. accepts certifications on a per month only basis.)         Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazar established in RCRA regulations, 40 CFR 261.21-241.24, or listed heazardous waste as defined by 4 as amended. The following documentation demonstrating the waste as ann-hazardous is attached: mission marked in RCRA Hazardous Waste Analysis Other (Provide Description Below)         MSDS Information       Emergency non-hazardous, non-oilfied waste that has been ordered by the Department (The order, documentation of non-hazardous waste determination, and a description of accompany this form.)	P.O. Box 1658 Roswell, NM 88202 Office (575) 347-0434	Reading > 50 micro roentgens: No Pass the Paint Filter Test: No
OCD EXEMPT SOILS       20.00 YDS       LF         Name: QUEZADA Address:       Driver Name: Truck Number: 09 Phone No.:       Driver Name: Truck Number: 09 Phone No.:         I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without inciding the above.       Driver Signature         I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's determination, the above described waste load is:         I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's determination, the above described waste load is:         I RCRA Exempt:       Oil field waste generated from oil and gas exploration and production operations and are not mixed (Gandy Marley, Inc. accepts certifications on a per month only basis.)         Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazard established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 4 as amended. The following documentation demonstrating the waste as non-hazardous is attached:         MSDS Information		WASTE MATERIAL
TRANSPORTER         Name: QUEZADA       Driver Name:         Address:       Truck Number: 09         Phone No.:       Phone No.:         I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incidisted above.         JAMA       JAMA         Driver Signature         C-138         I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's determination, the above described waste load is:         RCRA Exempt:       Oil field wastes generated from oil and gas exploration and production operations and are not mixed (Gandy Marley, Inc. accepts certifications on a per month only basis.)         Oil field waste generated from oil and gas exploration and production operations and are not mixed (Gandy Marley, Inc. accepts certifications on a per month only basis.)         Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous waste as defined by 4 as amended. The following documentation demonstrating the waste as non-hazardous is attached:         MSDS Information	Material	Quantity Cell
Name: QUEZADA Address: Phone No.:       Driver Name: Truck Number: 09 Phone No.:         I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without inciding Jawa Jawa Jawa Jawa Jawa Jawa Jawa Jawa	OCD EXEMPT SOILS	20.00 YDS LF
Address:       Truck Number: 09 Phone No.:         I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without inciding above.         JAMA       JAMA         Jama       Jama         Driver Signature       C-138         I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's determination, the above described waste load is:         RCRA Exempt:       Oil field wastes generated from oil and gas exploration and production operations and are not mixed (Gandy Marley, Inc. accepts certifications on a per month only basis.)         CRCRA NON-EXEMPT:       Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazard established in RCRA regulations, 40 CFR 261.21.261-24, or listed hazardous waste as defined by 4 as amended. The following documentation demonstrating the waste as non-hazardous is attached:         MSDS Information       RCRA Hazardous Waste Analysis         Other (Provide Description Below)       Cher order, documentation of non-hazardous waste determination, and a description of taccompany this form.)		TRANSPORTER
Iisted above.       Jame Jame Jame Jame Jame Jame Jame Jame	Address: Phone No.:	Truck Number: 09 Phone No.:
Driver Signature         C-138         I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's determination, the above described waste load is:         Image: RCRA Exempt:       Oil field wastes generated from oil and gas exploration and production operations and are not mixed (Gandy Marley, Inc. accepts certifications on a per month only basis.)         Image: RCRA NON-EXEMPT:       Oil field wastes which is non-hazardous that does not exceed the minimum standards for waste hazar does waste as defined by 4 as amended. The following documentation demonstrating the waste as non-hazardous is attached:         Image: MSDS Information       Image: RCRA Hazardous Waste Analysis         Other (Provide Description Below)       Emergency Non-Oilfield:         Emergency Non-Oilfield:       Emergency non-hazardous, non-oilfied waste that has been ordered by the Department (The order, documentation of non-hazardous waste determination, and a description of t accompany this form.)		
C-138 I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's determination, the above described waste load is:  RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed (Gandy Marley, Inc. accepts certifications on a per month only basis.) Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazar established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 4 as amended. The following documentation demonstrating the waste as non-hazardous is attached: MSDS Information  Reregency Non-Oilfield: Emergency Non-Oilfield: Emergency Non-Oilfield: Emergency Non-Oilfield:		JAMA CRONDANZ
I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's determination, the above described waste load is:		Driver Signature
determination, the above described waste load is:         Image: CRA Exempt:       Oil field wastes generated from oil and gas exploration and production operations and are not mixed (Gandy Marley, Inc. accepts certifications on a per month only basis.)         Image: CRA NON-EXEMPT:       Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazar established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 4 as amended. The following documentation demonstrating the waste as non-hazardous is attached:         Image: I		C-138
Image: Construction of the provide determination of the provide determination, and a description of taccompany this form.)	ereby certify that according to the termination, the above described	urce Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory load is:
RCRA NON-EXEMPT:       established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 4 as amended. The following documentation demonstrating the waste as non-hazardous is attached:         MSDS Information       RCRA Hazardous Waste Analysis         Other (Provide Description Below)       Other (Provide Description Below)         Emergency Non-Oilfield:       Emergency non-hazardous, non-oilfied waste that has been ordered by the Department (The order, documentation of non-hazardous waste determination, and a description of t accompany this form.)		astes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. arley, Inc. accepts certifications on a per month only basis.)
Other (Provide Description Below) Cher (Provide Description Below) Emergency non-hazardous, non-oilfied waste that has been ordered by the Department (The order, documentation of non-hazardous waste determination, and a description of t accompany this form.)	RCRA NON-EXEMPT: est	aste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics d in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D ed. The following documentation demonstrating the waste as non-hazardous is attached:
Emergency Non-Oilfield: Emergency Non-Oilfield: Emergency non-hazardous, non-oilfied waste that has been ordered by the Department (The order, documentation of non-hazardous waste determination, and a description of t accompany this form.)	MSDS Information	RCRA Hazardous Waste Analysis
Emergency Non-Oilfield: (The order, documentation of non-hazardous waste determination, and a description of t accompany this form.)		Other (Provide Description Below)
Name Signature	Emergency Non-Oilfie	Emergency non-hazardous, non-oilfied waste that has been ordered by the Department of Public Safety. (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)
Name Signature		
		Name Signature
Kimberly Murphy Kimberly Murphy		Perty Murphy Pherphy
Name Signature		Name Signature

**Ticket Number** 

107373 10/15/24 09:47 AM



PO BOX 272

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Generator: CAMBRIAN MANAGEMENT Generator Contact:

GENERATOR

Lease: CHEM STATE #1 Location: CHEM STATE #1 Job Contact: CHRIS GADDY

MIDLAND, TX 7970 Phone No.: (432)62		Phone Number: (43 Email:	2)620-9181
Contraction of the second second		DISPOS	AL FACILITY
Site Name/Permit N P.O. Box 1658 Roswell, NM 88202 Office (575) 347-043 Fax (575)347-0435		ial Landfarm (NM-711-1-0020)	NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:
		WASTE	MATERIAL
Material		Quantity	Cell
OCD EXEMPT SOIL	LS	20.00 YDS	LF
		TRAN	SPORTER
Name: QUEZADA Address: Phone No.:			Driver Name: Truck Number: 09 Phone No.:
I Hearby certify that the above listed above.	named mate	erial(s) was/were picked up at the C	Generator's site listed above and delivered without incident to the disposal facility
		AME	Brows Je
		Driver	Signature
I hereby certify that according determination, the above desc	ribed waste	rce Conservation and Recovery A load is:	C-138 ct (RCRA) and the Environmental Protection Agency's July 1988 regulatory
RCRA Exempt:		rley, Inc. accepts certifications on a	ploration and production operations and are not mixed with non-exempt waste. a per month only basis.)
RCRA NON-EXEMPT:	established	in RCRA regulations, 40 CFR 261	bes not exceed the minimum standards for waste hazardous by characteristics 1.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D monstrating the waste as non-hazardous is attached:
MSDS Information			RCRA Hazardous Waste Analysis
		Other (Provide	Description Below)
Emergency Non-	Oilfield:	Emergency non-hazardous, non- (The order, documentation of non accompany this form.)	bilfied waste that has been ordered by the Department of Public Safety. -hazardous waste determination, and a description of the waste must
		Name	Signature
		1	
	Kimb	erly Murphy	Reviewly Murphy
		Name	Signature



Ticket Number 107467 10/17/24 01:13 PM

Generator: CAMBRIAN MANAGEMENT Generator Contact: PO BOX 272 MIDLAND, TX 79702 Phone No.: (432)620-9181 GENERATOR Lease: CHEM STATE #1 Location: CHEM STATE #1 Job Contact: CHRIS GADDY Phone Number: (432)620-9181 Email:

FII0HE NO (452)	620-9181	Email:	
		DISPOSA	LFACILITY
Site Name/Permit P.O. Box 1658 Roswell, NM 8820 Office (575) 347-0 Fax (575)347-043	)2 )434	al Landfill (NM-01-0019)	NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:
		WASTE	MATERIAL
Material		Quantity	Cell
OCD EXEMPT SO	DILS	20.00 YDS	LF
Name: QUEZADA Address: Phone No.: I Hearby certify that the abo listed above.			BPORTER Driver Name: Truck Number: 09 Phone No.: enerator's site listed above and delivered without incident to the disposal facility
		JAIME Q	ueurp Jz
		Driver S	Signature
determination, the above de	Oil field wast (Gandy Marl Oil field wast established i	es generated from oil and gas exp ey, Inc. accepts certifications on a e which is non-hazardous that doe n RCRA regulations, 40 CFR 261.	es not exceed the minimum standards for waste hazardous by characteristics 21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart nonstrating the waste as non-hazardous is attached:
MSDS Information			RCRA Hazardous Waste Analysis
		Other (Provide I	Description Below)
Emergency No	on-Oilfield: (	Emergency non-hazardous, non-oi The order, documentation of non-h accompany this form.)	Ified waste that has been ordered by the Department of Public Safety. hazardous waste determination, and a description of the waste must
	N	lame	Signature
			Huntrech Margh
	Kimber	rly Murphy	1 and 1 and 2

Generator: CAMBRIAN MANAGEMENT

Ticket Number 107449

10/17/24 09:47 AM

M inc.	
M inc.	

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

GENERATOR Lease: CHEM STATE #1 Location: CHEM STATE #1

Generator Contact: PO BOX 272 MIDLAND, TX 79702 Phone No.: (432)620		Location: CHEM ST Job Contact: CHRIS Phone Number: (432 Email:	GADDY	
		DISPOSA	AL FACILITY	and the second sec
Site Name/Permit No P.O. Box 1658 Roswell, NM 88202 Office (575) 347-0435 Fax (575)347-0435			NORM Readings Taken: No Reading > 50 micro roentgens: Pass the Paint Filter Test: No Box Number:	No
Motorial			MATERIAL	
Material OCD EXEMPT SOIL	6	Quantity 20.00 YDS	Cell	
OCD EXEIVIPT SOL	3		SPORTER	and the second
Name: QUEZADA Address: Phone No.: I Hearby certify that the above	named material(s) w		Driver Name: Truck Number: 09 Phone No.:	livered without incident to the disposal facility
listed above.		Jesuite (	guoras 1/2	
		Driver	Signature	
I hereby certify that according to determination, the above descr RCRA Exempt:	ibed waste load is: Oil field wastes gen (Gandy Marley, Inc. Oil field waste whic established in RCR	erated from oil and gas ex accepts certifications on a h is non-hazardous that do A regulations, 40 CFR 261	ploration and production operations per month only basis.) es not exceed the minimum standa	rotection Agency's July 1988 regulatory s and are not mixed with non-exempt waste. ards for waste hazardous by characteristics iste as defined by 40 CFR, part 261, subpart D irdous is attached:
MSDS Information		0	RCRA Hazardous Waste An	
		Other (Provide	Description Below)	
Emergency Non-C	Dilfield: (The or	ency non-hazardous, non-o der, documentation of non- oany this form.)	ilfied waste that has been ordered hazardous waste determination, a	by the Department of Public Safety. nd a description of the waste must
	Name		Sign	ature
	Kimberly Mu	ırphy	Kentuly	Murphy
	Name		Sign	ature

- 6	-	
	TM	inc.

Ticket Number 107448 10/17/24 09:46 AM

Generator: CAMBRIAN MANAGEMENT Generator Contact: PO BOX 272 MIDLAND, TX 79702 Phone No.: (432)620-9181 GENERATOR Lease: CHEM STATE #1 Location: CHEM STATE #1 Job Contact: CHRIS GADDY

Phone Number: (432)620-9181 Phone No.: (432)620-9181 Email **DISPOSAL FACILITY** Site Name/Permit No.: Commercial Landfill (NM-01-0019) NORM Readings Taken: No P.O. Box 1658 Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Roswell, NM 88202 Office (575) 347-0434 Box Number: Fax (575)347-0435 WASTE MATERIAL Material Quantity Cell OCD EXEMPT SOILS 20.00 YDS LF TRANSPORTER Name: QUEZADA Driver Name: Address: Truck Number: 07 Phone No.: Phone No.: I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above. JAIME QUEZNOR **Driver Signature** C-138 I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. RCRA Exempt: (Gandy Marley, Inc. accepts certifications on a per month only basis.) Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics **CRCRA NON-EXEMPT:** established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached: RCRA Hazardous Waste Analysis MSDS Information Other (Provide Description Below) Emergency non-hazardous, non-oilfied waste that has been ordered by the Department of Public Safety. Emergency Non-Oilfield: (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.) Name Signature Kinder Murphy Kimberly Murphy Signature Name

G		Inc
	NЛ	inc.

Ticket Number 107466 10/17/24 01:12 PM

Generator: CAMBRIAN MANAGEMENT Generator Contact: PO BOX 272 MIDLAND, TX 79702 Phone No.: (432)620-9181 GENERATOR Lease: CHEM STATE #1 Location: CHEM STATE #1 Job Contact: CHRIS GADDY Phone Number: (432)620-9181 Email:

**DISPOSAL FACILITY** Site Name/Permit No.: Commercial Landfill (NM-01-0019) NORM Readings Taken: No P.O. Box 1658 Reading > 50 micro roentgens: No Roswell, NM 88202 Pass the Paint Filter Test: No Office (575) 347-0434 Box Number: Fax (575)347-0435 WASTE MATERIAL Quantity Material Cell LF OCD EXEMPT SOILS 20.00 YDS TRANSPORTER Name: QUEZADA **Driver Name:** Truck Number: 07 Address: Phone No.: Phone No.: I Hearby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed above. JAIME QUEZADA **Driver Signature** C-138 I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. RCRA Exempt: (Gandy Marley, Inc. accepts certifications on a per month only basis.) Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, RCRA NON-EXEMPT: as amended. The following documentation demonstrating the waste as non-hazardous is attached: RCRA Hazardous Waste Analysis MSDS Information Other (Provide Description Below) Emergency non-hazardous, non-oilfied waste that has been ordered by the Department of Public Safety. Emergency Non-Oilfield: (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.) Signature Name Kurtuly Murphy **Kimberly Murphy** Signature Name



	NEW MEXICO NON	I-HAZARDOUS OILFIELD W	ASTE MANIFEST/DISPOSAL TICKET	Ticket Number 110277 12/16/24 01:06 PM
		GENERA	TOR	
Generator: CAMBR Generator Contact: PO BOX 272 MIDLAND, TX 7970 Phone No.: (432)62		Lease: CHEM STATE # Location: CHEM STATE Job Contact: CHRIS GA Phone Number: (432)62 Email:	1 #1 DDY	
		DISPOSAL F		
Site Name/Permit N P.O. Box 1658 Roswell, NM 88202 Office (575) 347-04 Fax (575)347-0435	34	I	NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:	
		WASTE MA	TERIAL	
Material		Quantity	Cell	
OCD EXEMPT SOI	LS	20.00 YDS	LF	
		TRANSPO	RTER	
Name: PONDEROS Address: Phone No.:	SA TRUCKING	1	Driver Name: Fruck Number: 41 Phone No.:	
listed above.	Hamed material(5) was		rator's site listed above and delivered without	at modera to the disposal facility
		Driver Sig	nature	
I hereby certify that according determination, the above desc		C-138 ervation and Recovery Act (R	3 CRA) and the Environmental Protection Age	ency's July 1988 regulatory
RCRA Exempt:		rated from oil and gas explora accepts certifications on a per	ation and production operations and are not month only basis.)	mixed with non-exempt waste.
RCRA NON-EXEMPT:	established in RCRA	regulations, 40 CFR 261.21-2	ot exceed the minimum standards for waste 261-24, or listed hazardous waste as define strating the waste as non-hazardous is attac	d by 40 CFR, part 261, subpart D,
MSDS Information			RCRA Hazardous Waste Analysis	
		Other (Provide Des		
Emergency Non-	-Oilfield: (The orde		I waste that has been ordered by the Depar ardous waste determination, and a descripti	
	Name		Signature	
	KIMBERLY MUR	RPHY	Proberly Murphy	
	Name			

GM inc.	1	ZARDOUS OILFI	ELD WASTE MANIFEST/DISPOSAL TICKET	Ticket Number 110244 12/16/24 10:24 AM
Generator: CAMBF Generator Contact: PO BOX 272 MIDLAND, TX 797 Phone No.: (432)62	02	GE Lease: CHEM ST Location: CHEM S Job Contact: CHF Phone Number: ( Email:	STATE #1 RIS GADDY	
Site Name/Permit I P.O. Box 1658 Roswell, NM 88202 Office (575) 347-04 Fax (575)347-0435	-34		OSAL FACILITY NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:	
			TE MATERIAL	
Material		Quantity	Cell	
OCD EXEMPT SO	ILS	20.00 YDS	LF	
Name: PONDERO Address: Phone No.: I Hearby certify that the above			ANSPORTER Driver Name: Truck Number: 41 Phone No.: e Generator's site listed above and delivered with	nout incident to the disposal facility
			er Signature	
I hereby certify that according determination, the above des			C-138 Act (RCRA) and the Environmental Protection A	gency's July 1988 regulatory
RCRA Exempt:			exploration and production operations and are no n a per month only basis.)	ot mixed with non-exempt waste.
RCRA NON-EXEMPT:	established in RCRA reg	ulations, 40 CFR 2	does not exceed the minimum standards for was 261.21-261-24, or listed hazardous waste as defin demonstrating the waste as non-hazardous is att	ned by 40 CFR, part 261, subpart D
MSDS Information			RCRA Hazardous Waste Analysis	
		Other (Provi	de Description Below)	
Emergency Nor	Emergency r -Oilfield: (The order, d accompany t	ocumentation of n	n-oilfied waste that has been ordered by the Dep on-hazardous waste determination, and a descri	artment of Public Safety. ption of the waste must
	Name		Signature	
	KIMBERLY MURP	НУ	Probuly Murphy	·
	Name		Signature	

G.	Inc
<b>M</b>	inc.

Ticket Number 110378 12/17/24 12:57 PM

Generator: CAMBRIAN MANAGEMENT Generator Contact: PO BOX 272 MIDLAND, TX 79702 Phone No.: (432)620-9181 GENERATOR Lease: CHEM STATE #1 Location: CHEM STATE #1 Job Contact: CHRIS GADDY Phone Number: (432)620-9181 Email:

		DISPOSAL FACILITY
Site Name/Permit P.O. Box 1658 Roswell, NM 8820 Office (575) 347-0 Fax (575)347-043	434	NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:
		WASTE MATERIAL
Material	Quantity	Cell
OCD EXEMPT SC	DILS 20.00 YDS	LF
		TRANSPORTER
Name: PONDERC Address: Phone No.:	DSA TRUCKING	Driver Name: Truck Number: 41 Phone No.:
I Hearby certify that the above listed above.	ve named material(s) was/were picked u	p at the Generator's site listed above and delivered without incident to the disposal facility
	$\leq$	all
		Driver Signature
I hereby certify that accordin determination, the above determination		C-138 covery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory
RCRA Exempt:	Oil field wastes generated from oil an (Gandy Marley, Inc. accepts certifica	nd gas exploration and production operations and are not mixed with non-exempt waste. tions on a per month only basis.)
RCRA NON-EXEMPT:	established in RCRA regulations, 40	us that does not exceed the minimum standards for waste hazardous by characteristics CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, tation demonstrating the waste as non-hazardous is attached:
MSDS Information		RCRA Hazardous Waste Analysis
	Other	(Provide Description Below)
Emergency No		us, non-oilfied waste that has been ordered by the Department of Public Safety. on of non-hazardous waste determination, and a description of the waste must
	N	
	Name	Signature
	Billy Jack Clayton	Pall port
	Name	Signature

Ticket Number 110336

12/17/24 09:48 AM

Minc.		Guina	
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Generator Contact:

Generator: CAMBRIAN MANAGEMENT

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

GENERATOR Lease: CHEM STATE #1 Location: CHEM STATE #1 Job Contact: CHRIS GADDY Phone Number: (432)620-9181 Email:

PO BOX 272 MIDLAND, TX 79702 Phone No.: (432)620-1	9181	Job Contact: CHF Phone Number: (4 Email:			
		DISPO	SAL FACILITY		
Site Name/Permit No. P.O. Box 1658 Roswell, NM 88202 Office (575) 347-0434 Fax (575)347-0435		ercial Landfill (NM-01-0019)	NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:		
. <u>C., </u>		WAS	TE MATERIAL		
Material		Quantity	Cell		
OCD EXEMPT SOILS		20.00 YDS	LF		
		TRA	NSPORTER		
Name: PONDEROSA Address: Phone No.:			Driver Name: Truck Number: 41 Phone No.: e Generator's site listed above and delivered without incident	to the disposal facil	lity
listed above.	ameu ma	atenai(s) wastwere picked up at the		to the disposal laci	ity
		50	e la		
		Drive	er Signature		
determination, the above descrit	oed wast Oil field v (Gandy f	e load is: vastes generated from oil and gas /larley, Inc. accepts certifications o		i non-exempt waste	
RCRA NON-EXEMPT:	establish	ed in RCRA regulations, 40 CFR 2	does not exceed the minimum standards for waste hazardou 61.21-261-24, or listed hazardous waste as defined by 40 CF demonstrating the waste as non-hazardous is attached:		
MSDS Information			RCRA Hazardous Waste Analysis	t =	
		Other (Provi	de Description Below)		
Emergency Non-O	ilfield:		n-oilfied waste that has been ordered by the Department of P on-hazardous waste determination, and a description of the w		
		Name	Signature		
	Billy	Jack Clayton	Ball port	ef.	
		Name	Signature		



Ticket Number 110417 12/17/24 04:06 PM

Generator: CAMBRIAN MANAGEMENT	
Generator Contact:	
PO BOX 272	
MIDLAND, TX 79702	
Phone No.: (432)620-9181	

### GENERATOR Lease: CHEM STATE #1 Location: CHEM STATE #1 Job Contact: CHRIS GADDY Phone Number: (432)620-9181 Email:

	DISPOSAL FACILITY
Site Name/Permit No.: Commercial Landfill (NM-01-0019)	NORM Re
P.O. Box 1658	Reading >
Roswell, NM 88202	Pass the
Office (575) 347-0434	Box Num
Fax (575)347-0435	

NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:

	WAST	E MATERIAL
Material	Quantity	Cell
OCD EXEMPT SOIL	S 20.00 YDS	LF
	TRA	NSPORTER
Name: PONDEROSA TRUCKING Address: Phone No.:		Driver Name: Truck Number: 41 Phone No.:
I Hearby certify that the above r listed above.	named material(s) was/were picked up at the	Generator's site listed above and delivered without incident to the disposal facility
	50	ge
	Drive	r Signature
I hereby certify that according to determination, the above descri		C-138 Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory
RCRA Exempt:	Oil field wastes generated from oil and gas a (Gandy Marley, Inc. accepts certifications or	exploration and production operations and are not mixed with non-exempt waste. a per month only basis.)
RCRA NON-EXEMPT:	established in RCRA regulations, 40 CFR 2	loes not exceed the minimum standards for waste hazardous by characteristics \$1.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart I emonstrating the waste as non-hazardous is attached:
MSDS Information		RCRA Hazardous Waste Analysis
	Other (Provid	e Description Below)
Emergency Non-C	Emergency non-hazardous, non Dilfield: (The order, documentation of no accompany this form.)	-oilfied waste that has been ordered by the Department of Public Safety. n-hazardous waste determination, and a description of the waste must
	Name	Signature
		Portecty Murphy_
	KIMBERLY MURPHY	
	Name	Signature



Ticket Number 110520 12/18/24 04:31 PM

Generator: CAMBRIAN MANAGEMENT
Generator Contact:
PO BOX 272
MIDLAND, TX 79702
Phone No.: (432)620-9181

•	GENERATOR
Lease: CHEM S	STATE #1
Location: CHEM	<b>M STATE #1</b>
Job Contact: Cl	HRIS GADDY
Phone Number	: (432)620-9181
Email:	

	-9181	Email:		
		DISPOS	AL FACILITY	
Site Name/Permit No.: Commercial Landfill (NM-01-0019) P.O. Box 1658 Roswell, NM 88202 Office (575) 347-0434 Fax (575)347-0435		fill (NM-01-0019)	NORM Readings Taken: No Reading > 50 micro roentgens: No Pass the Paint Filter Test: No Box Number:	
			MATERIAL	
Material		Quantity	Cell	
OCD EXEMPT SOILS 20.00 YDS		20.00 YDS	LF	
	TRUCKING	TRAN	SPORTER	
Name: PONDEROSA TRUCKING Address:			Driver Name: Truck Number: 41	
Phone No.:	named material(a)	realizers sicked up at the C	Phone No.:	
listed above.	named material(s) w	as/were picked up at the G	Generator's site listed above and delivered without incident to the disposal facility	
		Sa	eel	
		Driver	Signature	
I hereby certify that according to determination, the above descri			c-138 ct (RCRA) and the Environmental Protection Agency's July 1988 regulatory	
RCRA Exempt:		nerated from oil and gas ex accepts certifications on a	ploration and production operations and are not mixed with non-exempt waste. a per month only basis.)	
RCRA NON-EXEMPT:	established in RCR	A regulations, 40 CFR 261	es not exceed the minimum standards for waste hazardous by characteristics .21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart I monstrating the waste as non-hazardous is attached:	
		bliowing documentation de	indistrating the waste as non-nazardous is attached.	
MSDS Information		bliowing documentation de	RCRA Hazardous Waste Analysis	
MSDS Information				
MSDS Information	Dilfield: (The or	Other (Provide	RCRA Hazardous Waste Analysis	
	Dilfield: (The or accomp	Other (Provide ency non-hazardous, non-o der, documentation of non-	CRCRA Hazardous Waste Analysis Description Below)  Reference of the Department of Public Safety.  Reference of the waste determination, and a description of the waste must	
	Dilfield: (The or	Other (Provide ency non-hazardous, non-o der, documentation of non-	RCRA Hazardous Waste Analysis Description Below) illified waste that has been ordered by the Department of Public Safety.	
	Dilfield: (The or accomp	Other (Provide ency non-hazardous, non-o der, documentation of non- bany this form.)	RCRA Hazardous Waste Analysis     Description Below)      ilified waste that has been ordered by the Department of Public Safetyhazardous waste determination, and a description of the waste must	
	Dilfield: (The or accomp	Other (Provide ency non-hazardous, non-o der, documentation of non- bany this form.)		





NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

**DISPOSAL FACILITY** 

**Ticket Number** 110477 12/18/24 12:59 PM

Generator: CAMBRIAN MANAGEMENT
Generator Contact:
PO BOX 272
MIDLAND, TX 79702
Phone No.: (432)620-9181

GENERATOR Lease: CHEM STATE #1 Location: CHEM STATE #1 Job Contact: CHRIS GADDY Phone Number: (432)620-9181 Email:

Site Name/Permit No.: Commercial La P.O. Box 1658 Roswell, NM 88202 Office (575) 347-0434 Fax (575)347-0435	ndfill (NM-01-0019)	NORM Readings Tal Reading > 50 micro Pass the Paint Filter Box Number:	oentgens: No	
	WAS	TE MATERIAL		
Material	Quantity		Cell	
OCD EXEMPT SOILS	20.00 YDS		LF	
	TRA	ANSPORTER		
Name: PONDEROSA TRUCKING Address: Phone No.:		Driver Name: Truck Number: 41 Phone No.:		
I Hearby certify that the above named material(s listed above.	) was/were picked up at the	e Generator's site listed abo	ove and delivered v	without incident to the disposal facility
	SG	sec		al .

**Driver Signature** 

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. RCRA Exempt: (Gandy Marley, Inc. accepts certifications on a per month only basis.) Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics RCRA NON-EXEMPT: established in RCRA regulations, 40 CFR 261.21-261-24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached: MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

Emergency non-hazardous, non-oilfied waste that has been ordered by the Department of Public Safety. Emergency Non-Oilfield: (The order, documentation of non-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Portely Murphy

Signature

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

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QUESTIONS

Action 446073

QUESTIONS		
Operator:	OGRID:	
CAMBRIAN MANAGEMENT LTD	198688	
310 W Wall Street Ste 300	Action Number:	
Midland, TX 79701	446073	
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

### QUESTIONS

Prerequisites		
Incident ID (n#)	nAPP2426158921	
Incident Name	NAPP2426158921 CHEM STATE #1 @ 30-025-08012	
Incident Type	Oil Release	
Incident Status	Remediation Closure Report Received	
Incident Well	[30-025-08012] CHEM STATE #001	

#### Location of Release Source

Please answer	all the questions	in this group.

Site Name	CHEM STATE #1
Date Release Discovered	03/28/2024
Surface Owner	State

#### Incident Details

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

### Nature and Volume of Release

Crude Oil Released (bbls) Details	Cause: Normal Operations   Gasket   Crude Oil   Released: 20 BBL   Recovered: 16 BBL   Lost: 4 BBL.
Produced Water Released (bbls) Details	Cause: Normal Operations   Gasket   Produced Water   Released: 5 BBL   Recovered: 3 BBL   Lost: 2 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)	The Chem State #1 well has been P&A'd and the site is being remediated/reclaimed according to State Land Office (SLO) specifications. Upon submitting a Reclamation and Remediation Workplan to the SLO, they requested an investigation of any stained areas at the wellhead. This NOR is being submitted a result of samples collected on the wellpad that reported TPH and chloride concentrations above the OCD Closure Criteria. This is a historical release and volume calculations are based on the dimensions of visibly impacted soil at the site.

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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

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QUESTIONS, Page 2

Action 446073

QUESTIONS (coi	ntinued)
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Operator:	OGRID:
CAMBRIAN MANAGEMENT LTD	198688
310 W Wall Street Ste 300	Action Number:
Midland, TX 79701	446073
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e	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	afety hazard that would result in injury.	
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
	Not answered. ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of	
actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.		
Subsection A or 19.15.29.11 NWAC), please prepare and attach an mormation needed for closure evaluation in the follow-up C-141 submission.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
I hereby agree and sign off to the above statement	Name: Socorro Hendry Title: Regulatory Manager Email: socorro.hendry@octane-energy.com Date: 03/26/2025	

General Information Phone: (505) 629-6116

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

**QUESTIONS** (continued)

Operator:	OGRID:
CAMBRIAN MANAGEMENT LTD	198688
310 W Wall Street Ste 300	Action Number:
Midland, TX 79701	446073
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Site Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)	
What method was used to determine the depth to ground water	U.S. Geological Survey	
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	Greater than 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)	
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 1000 (ft.) and ½ (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 1000 (ft.) and ½ (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

### Remediation Plan

Please answer all the questions	that apply or are indicated. This information must be provided to	the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation	n plan approval with this submission	Yes
Attach a comprehensive report of	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 vertic	cal extents of contamination been fully delineated	Yes
Was this release entirely	contained within a lined containment area	No
Soil Contamination Samplin	ng: (Provide the highest observable value for each, in mi	illigrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	8750
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	14400
GRO+DRO	(EPA SW-846 Method 8015M)	13820
BTEX	(EPA SW-846 Method 8021B or 8260B)	110
Benzene	(EPA SW-846 Method 8021B or 8260B)	2.8
	NMAC unless the site characterization report includes completed imelines for beginning and completing the remediation.	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date v	will the remediation commence	09/10/2024
On what date will (or did)	the final sampling or liner inspection occur	02/25/2025
On what date will (or was	) the remediation complete(d)	02/25/2025
What is the estimated sur	face area (in square feet) that will be reclaimed	270
What is the estimated vol	ume (in cubic yards) that will be reclaimed	980
What is the estimated sur	face area (in square feet) that will be remediated	270
What is the estimated vol	ume (in cubic yards) that will be remediated	980
These estimated dates and meas	surements are recognized to be the best guess or calculation at th	e time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that proper	and remediation management have to be minimally adjusted in	percentages with the physical realities encountered during remediation. If the responsible party has any need to

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.

QUESTIONS, Page 3

Action 446073

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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 446073

QUESTIONS (continued)		
Operator:	OGRID:	
CAMBRIAN MANAGEMENT LTD	198688	
310 W Wall Street Ste 300	Action Number:	
Midland, TX 79701	446073	
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

#### QUESTIONS

Remediation Plan (continued)

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 [fAB000000061]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	fforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
to report and/or file certain release notifications and perform corrective actions for relea 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 ases 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: Socorro Hendry Title: Regulatory Manager Email: socorro.hendry@octane-energy.com

Date: 03/26/2025 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.

General Information Phone: (505) 629-6116

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

QUESTIONS (continued)	

Operator:	OGRID:
CAMBRIAN MANAGEMENT LTD	198688
310 W Wall Street Ste 300	Action Number:
Midland, TX 79701	446073
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QU	ES	TIO	NS

Deferral Requests Only		
nly 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	Νο	

Action 446073

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General Information Phone: (505) 629-6116

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

QUESTIONS, Page 6

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Action 446073

**QUESTIONS** (continued)

Operator:	OGRID:
CAMBRIAN MANAGEMENT LTD	198688
310 W Wall Street Ste 300	Action Number:
Midland, TX 79701	446073
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	433546
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/25/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	270	
What was the total volume (cubic yards) remediated	980	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	270	
What was the total volume (in cubic yards) reclaimed	980	
Summarize any additional remediation activities not included by answers (above)	Upon NMOCD approval of this Closure Report, the excavation will be backfilled to grade with nonimpacted similar material obtained from a nearby 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.	
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.		
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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.		
I hereby agree and sign off to the above statement	Name: Socorro Hendry Title: Regulatory Manager	

I hereby agree and sign off to the above statement	Title: Regulatory Manager
I hereby agree and sign off to the above statement	Email: socorro.hendry@octane-energy.com
	Date: 03/26/2025

General Information Phone: (505) 629-6116

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

QUESTIONS (continued)

Operator:	OGRID:
CAMBRIAN MANAGEMENT LTD	198688
310 W Wall Street Ste 300	Action Number:
Midland, TX 79701	446073
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	

QUESTIONS	
Reclamation	Report

Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

QUESTIONS, Page 7

Action 446073

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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

	Operator:	OGRID:
	CAMBRIAN MANAGEMENT LTD	198688
	310 W Wall Street Ste 300	Action Number:
	Midland, TX 79701	446073
		Action Type:
		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
L		[C-141] Keniedialion Closule Request C-141 (C-141-V-Closule)

### CONDITIONS

Created By		Condition Date
scwells	Remediation closure approved.	4/25/2025

Action 446073