



Revised Remediation Summary and Closure Report

March 10, 2025

**Anderson Ranch Unit
Tank Battery
Facility # fCS2410743300
Oil Release
Incident No.: nAPP2426254839**

Prepared For:

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

Cynthia K. Crain, P.G.



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1.0 Introduction

Crain Environmental (CE), on behalf of Grand Banks Energy Company (GBE), has prepared this Revised Remediation Summary and Closure Report for the oil release at the Anderson Ranch Unit Tank Battery (Site). The Site is located in Unit Letter G (SW/NE), Section 11, Township 16 South, Range 32 East, Lea County, New Mexico at global positioning system (GPS) coordinates of 32.938675°, -103.736567°. The property surface rights are owned by the State of New Mexico, and land use in the Site vicinity is primarily oil and gas production and cattle grazing. The location of the Release Site is depicted on Figure 1.

2.0 Background

In April of 2024, Grand Banks relocated an injection pump from the area of the release to the west side of the ARU Tank Battery. As soil remediation efforts were conducted, the amount of impacted soil that was encountered resulted in submitting a Notice of Release (NOR) to the New Mexico Oil Conservation Division (NMOCD) on September 18, 2024. On September 18, 2024, an Initial C-141 was provided to the NMOCD for Incident #nAPP2426254839, and the C-141 was approved on September 20, 2024. The extent of the release is depicted on Figure 2.

On December 14, 2024, CE requested a 90-day extension for submitting a Closure Report to the NMOCD. On December 16, 2024, the request for extension was denied.

Soil remediation activities were conducted, and a Remediation Summary and Closure Report for Incident Number nAPP2426254839 was submitted to the NMOCD on January 30, 2025.

On February 11, 2025, the NMOCD denied the Closure Report for the following reasons:

1. Sampling Notifications were not provided for closure confirmation samples collected on 6/10/24 and 8/7/24.
2. Sampling notification for samples collected on 1/15/25 was submitted on 1/30/25, post sampling.
3. Sample S-4 sampled on 8/7/24 as incomplete, BTEX and chloride not sampled. The samples must be analyzed for the constituents listed in Table 1 of 19.15.29.12 NMAC.
4. All samples collected on 6/10/24, 8/7/24, and 1/15/25 will need to be recollected. A sampling notification must be filed via C-141N. Include pictures of all areas resampled.
5. Submit report via the OCD permitting portal by March 12, 2025.

A copy of the NMOCD correspondence is included in Appendix A.

Samples have been re-collected, and this Revised Remediation Summary and Closure Report is being submitted in accordance with 19.15.29 New Mexico Administrative Code (NMAC) for this historical release.



3.0 NMOCD Closure Criteria

Cleanup standards for oil 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.

3.1 Groundwater Evaluation

A review of the New Mexico Office of the State Engineer (NMOSE) records indicated one well (L 02846) within a 0.5-mile radius of the Site. Well L 02846 was installed on April 11, 1955, to a depth of 328 feet, and records a depth to water at 275 feet.

A review of United States Geological Survey (USGS) records indicated two wells (USGS 325614103434001 and USGS 325650103435601) with recorded depth to groundwater information within a 0.5-mile radius of the Site. Each well provides recorded depths to groundwater greater than 200' bgs. Well USGS 325614103434001 provides depth to water records up to March 27, 1981 (216.74' bgs), and well USGS 325650103435601 provides depth to water records up to February 16, 2006 (213.20' bgs).

All wells within a 0.5-mile radius are listed in the table below. Figure 3 provides a 0.5-mile radius circle around the Site and shows the location of each well. Well records for each well are provided in Appendix B. Based on the available water well data, it is estimated that the depth to groundwater at the Site is greater than 100 feet bgs.



Nearby Water Wells

Well ID	Location from Release Site	Year Installed	Use	Total Depth / Depth to Water (feet bgs)
L 02846	Approx. 820 feet to NW	1955	N/A	328 / 275
USGS 325614103434001	Approx. 1,419 feet to SE	1961	N/A	317 / 216.74 (3/27/81)
USGS 325650103435601	Approx. 2,440 feet to NE	1961	N/A	328 / 213.20 (2/16/06)

3.2 Surface Features and Other Development

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

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

3.3 Wetlands, Floodplain, and Karst Geology

A review of the United States Fish and Wildlife Service (USFWS) wetlands map indicated the Site is not located within 300 feet of a wetland. A review of the Federal Emergency Management Act (FEMA)



floodplain map indicates the release at the Site is located outside of a 100-year floodplain. Finally, the New Mexico Bureau of Land Management (BLM) karst potential map indicates the Site is located within a "low karst potential" area. Figures 4, 5, and 6 depict the USFWS wetlands information, FEMA floodplain information, and the karst potential data, respectively.

3.4 Closure Criteria Applicable to the Site

From the surface to a depth of 4' bgs, the most stringent Closure Criteria will apply. At depths greater than 4' bgs, the Closure Criteria will be based on the estimated depth to groundwater, which dictates the least stringent regulatory guidelines typically associated with groundwater depths greater than 100 feet bgs. A summary of the Closure Criteria is provided in the table below and in Table 1.

NMOCD Closure Criteria

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

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

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 depth to groundwater is greater than 100' bgs.



4.3 Wellhead Protection Area

The 0.5-mile wellhead protection area is shown on Figure 3. Referring to well NMOSE and USGS well records, the depth to groundwater at the Site is greater than 100' bgs. A review of the USFWS wetlands map indicated a freshwater emergent wetland is located approximately 1,720 feet southwest 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.

5.0 Summary of Remediation Activities

On June 10, 2024, soil samples were collected at two locations (S-1 and S-2) using a backhoe. Samples collected at a depth of 4.5' 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 is provided in Appendix C. Photographic documentation is provided in Appendix D.

Referring to Table 1, concentrations of TPH, BTEX, and chlorides were reported below the test method detection limits or Closure Criteria in each sample; however, hydrocarbon impacted soil was observed around a cement pad by the former injection pump, and excavation continued.

On June 26, 2024, three composite samples (S-3, S-4, and S-5) were collected from the bottom of the excavation, and four composite samples (S-6, S-7, S-8, and S-9) were collected from the sidewalls of the excavation. Bottom samples S-3 and S-4 were collected at a depth of 1' bgs, and sample S-5 was collected at a depth of 4.1' bgs. Sidewall samples S-6 and S-7 were collected from a depth of 0-1' bgs, and samples S-8 and S-9 were collected from a depth of 0-4' bgs. All samples were placed in laboratory prepared containers, properly labeled, immediately placed on ice, and hand delivered to Eurofins for analysis of TPH, BTEX, and chlorides.

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

Referring to Table 1, all BTEX and chloride concentrations were reported below the test method detection limits or Closure Criteria. Concentrations of TPH were reported above the Closure Criteria in all samples except bottom sample S-5 (764 mg/kg) from a depth of 4.1' bgs.



Excavation was conducted until confirmation samples were collected from the bottom and sidewalls of the excavation on August 7, and September 25, 2024, and January 15, 2025. 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 C. Photographic documentation is provided in Appendix D.

Following NMOCD denial of the Closure Report on February 11, 2025, a Sampling Notification was provided on February 19, 2025, and duplicate five-point composite samples were collected from the bottom and sidewalls of the excavation on February 25, 2025, as follows:

- Sample S-1 (4.5') – originally collected on June 10, 2024,
- Sample S-2 (4.5') – originally collected on June 10, 2024,
- Sample S-4 (4.2') – originally collected on August 7, 2024,
- Sample S-5 (4.1') – originally collected on June 26, 2026, and
- Sample S-6 (0-4') – originally collected on August 7, 2024.

Also on February 25, 2025, additional five-point composite samples were collected from the sidewalls (S-20b to S-24b) and the bottom (S-25 through S-38) of the excavation. Duplicate samples were not collected from samples collected on January 15, 2025, as the Sampling Notification was properly made on January 9, 2025.

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 C. Photographic documentation is provided in Appendix D. Sampling Notifications are provided in Appendix E.

Referring to Table 1, all final concentrations of TPH, BTEX, and chlorides were reported below the NMOCD Closure Criteria.

From June 10, 2024, to January 17, 2025, a total of 2,500 cubic yards (cy) of excavated soil were hauled to disposal at GM Inc. Waste Manifests are provided in Appendix F. The surface dimensions of the final excavation measured 95' x 56', for a total of 5,320 square feet.

Upon NMOCD approval of this Closure Report, the excavation will be backfilled to grade with non-impacted 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.

6.0 Laboratory Analytical Data Quality Assurance/Quality Control Results

Data reported in Job Numbers 880-44623-1, 880-45425-1, 880-47069-1, 880-49111-1, 880-53353-1, and 880-54896-1 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 C.

7.0 Closure Request

A total of 2,500 cubic yards of soil was excavated and hauled to disposal at GM Inc. All five-point confirmation samples collected from the bottom and sidewalls of the excavation reported TPH, Benzene, BTEX, and chloride concentrations below the NMOCD Closure Criteria.

Upon NMOCD approval of this Closure Report, the excavation on the well pad of the active tank battery will be backfilled to grade with non-impacted 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.

Grand Banks Energy respectfully requests Closure of Incident # nAPP2426254839.

8.0 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: Chris Gaddy
Octane Energy
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Midland, Texas 79701
- Copy 3: New Mexico State Land Office
Environmental Compliance Office
eco@slo.state.nm.us



TABLE

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
GRAND BANKS ENERGY, CO.
ANDERSON RANCH UNIT TANK BATTERY INJECTION PUMP AREA

Sample ID	Sample Date	Sample Depth	Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
				milligrams per kilogram (mg/kg)									
NMOCD Closure Criteria (Surface to 4' bgs)							100	10	-	-	-	50	600
NMOCD Closure Criteria (>4' bgs)				GRO + DRO = 1,000		-	2,500	10	-	-	-	50	20,000
S-1 (4.5')	06/10/24	4.5'	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	165
S-1 (4.5')	02/25/25	4.5'	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	40.1
S-2 (4.5')	06/10/24	4.5'	In Situ	<49.9	83.1	<49.9	83.1	<0.0499	0.0681	0.0560	<0.0998	0.124	90.9
S-2 (4.5')	02/25/25	4.5'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	39.7
S-3 (1')	06/26/24	1'	Excavated	117	7,320	<50.0	7,440	<0.00198	0.0480	0.0573	3.33	3.44	50.6
S-3 (4.2')	08/07/24	4.2'	Excavated	<49.7	2,550	<49.7	2,550	--	--	--	--	--	--
S-3 (5')	09/25/24	5'	In Situ	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	10.2
S-4 (1')	06/26/24	1'	Excavated	<49.8	4,220	<49.8	4,220	<0.0502	0.0593	<0.0502	<0.100	<0.100	65.9
S-4 (4.2')	08/07/24	4.2'	Excavated	<49.7	71.7	<49.7	71.7	--	--	--	--	--	--
S-4 (4.5')	02/25/25	4.5'	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	30.1
S-5 (4.1')	06/26/24	4.1'	Excavated	<49.8	764	<49.8	764	<0.00202	<0.00202	0.00274	<0.00403	0.00626	213
S-5 (4.5')	02/25/25	4.5'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	32.8
S-6 (0-1')	06/26/24	0-1'	Excavated	<50.0	649	<50.0	649	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	54.5
S-6 (0-4')	08/07/24	0-4'	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	13.5
S-6 (0-4')	02/25/25	0-4'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	33.1
S-7 (0-1')	06/26/24	0-1'	Excavated	<49.9	3,470	<49.9	3,470	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	74.7
S-7 (0-4')	08/07/24	0-4'	Excavated	<49.9	371	<49.9	371	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	106
S-7 (0-4')	09/25/24	0-4'	Excavated	<49.7	179	<49.7	179	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	80.5
S-7 (0-4')	01/15/25	0-4'	In Situ	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.92
S-8 (0-4')	06/26/24	0-4'	Excavated	<49.9	1,490	<49.9	1,490	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	297
S-8 (0-4')	08/07/24	0-4'	Excavated	<49.8	182	<49.8	182	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	334
S-8 (0-4')	09/25/24	0-4'	Excavated	<50.0	367	<50.0	367	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	195
S-8 (0-4')	01/15/25	0-4'	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<9.94
S-9 (0-4')	06/26/24	0-4'	Excavated	61.3	4,820	<49.8	4,880	<0.00198	<0.00198	0.0055	<0.00396	0.00886	380
S-9 (0-4')	08/07/24	0-4'	Excavated	<49.9	576	<49.8	576	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	43.7
S-9 (0-4')	09/25/24	0-4'	Excavated	<49.8	665	<49.8	665	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	269
S-9 (0-4')	01/15/25	0-4'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<10.0
S-10 (0-4')	09/25/24	0-4'	Excavated	<50.0	386	<50.0	386	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	80.0
S-10 (0-4')	01/15/25	0-4'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0
S-11 (0-4')	09/25/24	0-4'	In Situ	<49.8	99.3	<49.8	99.3	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	42.1
S-12 (0-4')	09/25/24	0-4'	Excavated	<49.9	196	<49.9	196	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	259
S-12 (0-4')	01/15/25	0-4'	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
S-13 (0-4')	09/25/24	0-4'	Excavated	<49.7	565	<49.7	565	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	297
S-13 (0-4')	01/15/25	0-4'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.1
S-14 (0-4')	09/25/24	0-4'	Excavated	<49.9	130	<49.9	130	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	287
S-14 (0-4')	01/15/25	0-4'	In Situ	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.0
S-15 (0-4')	09/25/24	0-4'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	43.4
S-16 (4.1')	09/25/24	4.1'	In Situ	<49.7	109	<49.7	109	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	52.1
S-17 (4.1')	09/25/24	4.1'	In Situ	<50.0	834	<50.0	834	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	36.7
S-18 (4.1')	09/25/24	4.1'	In Situ	<49.8	1,310	<49.8	1,310	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	16.6
S-19 (4.1')	09/25/24	4.1'	Excavated	<49.8	3,270	<49.8	3,270	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	61.3
S-19 (6')	01/15/25	6'	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<9.94
S-20 (4.1')	09/25/24	4.1'	In Situ	<50.0	260 *1	<50.0	260	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	51.5
S-21b (0-4')	02/25/25	0-4'	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	34.4
S-21 (4.1-6')	01/15/25	4.1 - 6'	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<9.96
S-22b (0-4")	02/25/25	0-4'	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	30.0
S-22 (4.1-6')	01/15/25	4.1 - 6'	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<10.1
S-23b (0-4')	02/25/25	0-4'	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	30.4
S-23 (4.1-6')	01/15/25	4.1 - 6'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<10.1
S-24b (0-4')	02/25/25	0-4'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	38.9
S-24 (4.1-6')	01/15/25	4.1 - 6'	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	12.1
S-25 (4.5')	02/25/25	4.5'	In Situ	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	32.9
S-26 (4.5')	02/25/25	4.5'	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	34.8
S-27 (4.5')	02/25/25	4.5'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	39.7
S-28 (4.5')	02/25/25	4.5'	In Situ	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	33.5
S-29 (4.5')	02/25/25	4.5'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<10.0

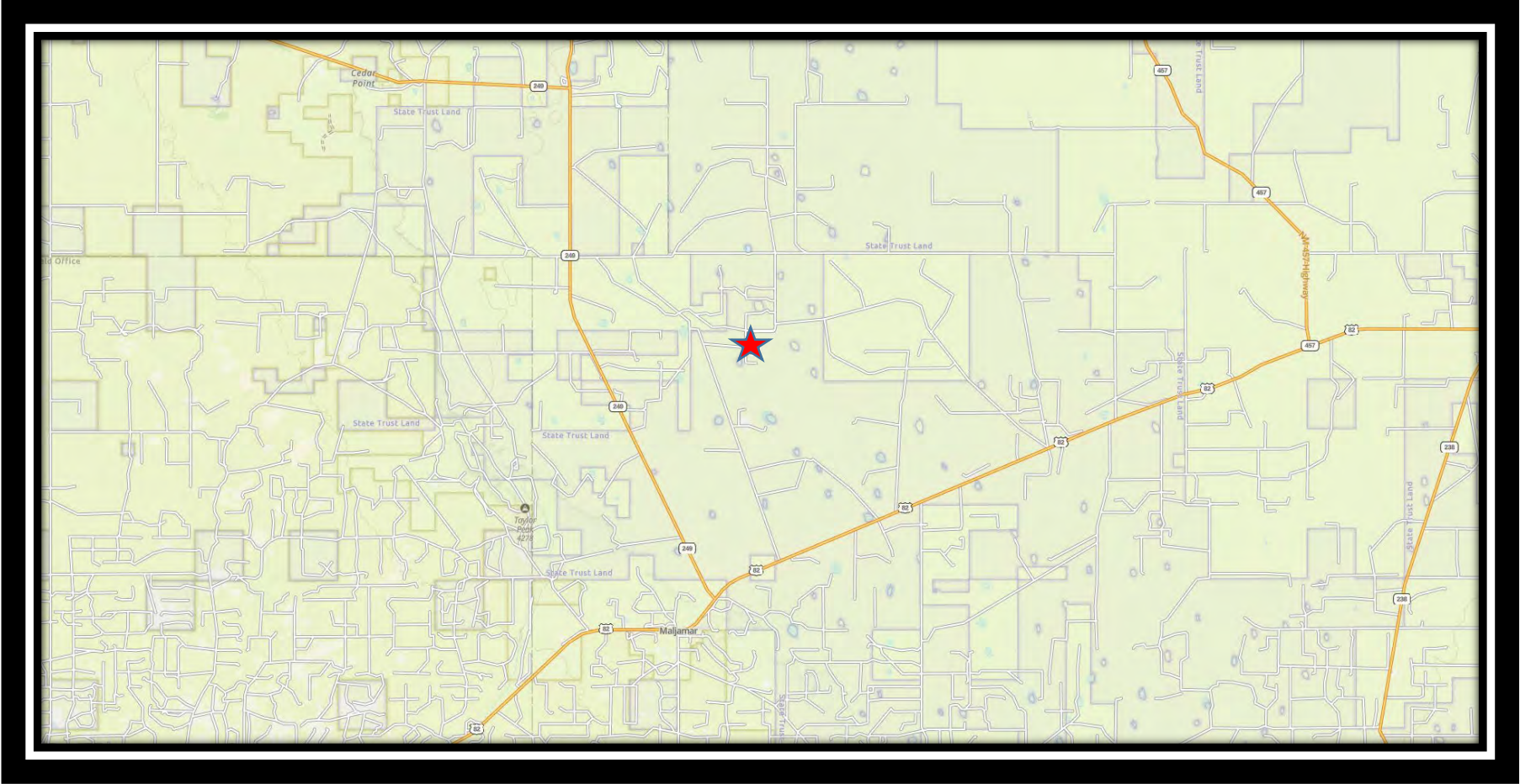
Sample ID	Sample Date	Sample Depth	Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
				milligrams per kilogram (mg/kg)									
NMOCD Closure Criteria (Surface to 4' bgs)							100	10	-	-	-	50	600
NMOCD Closure Criteria (>4' bgs)				GRO + DRO = 1,000		-	2,500	10	-	-	-	50	20,000
S-30 (4.5')	02/25/25	4.5'	In Situ	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<9.94
S-31 (4.5')	02/25/25	4.5'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	32.9
S-32 (4.5')	02/25/25	4.5'	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	42.0
S-33 (4.5')	02/25/25	4.5'	In Situ	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	36.9
S-34 (4.5')	02/25/25	4.5'	In Situ	<50.0	560	<50.0	560	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	301
S-35 (4.5')	02/25/25	4.5'	In Situ	<49.8	720	<49.8	720	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	352
S-36 (4.5')	02/25/25	4.5'	In Situ	<49.8	555	<49.8	555	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	250
S-37 (4.5')	02/25/25	4.5'	In Situ	<49.9	581	<49.9	581	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	461
S-38 (4.5')	02/25/25	4.5'	In Situ	<50.0	159	<50.0	159	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	87.8

Notes:

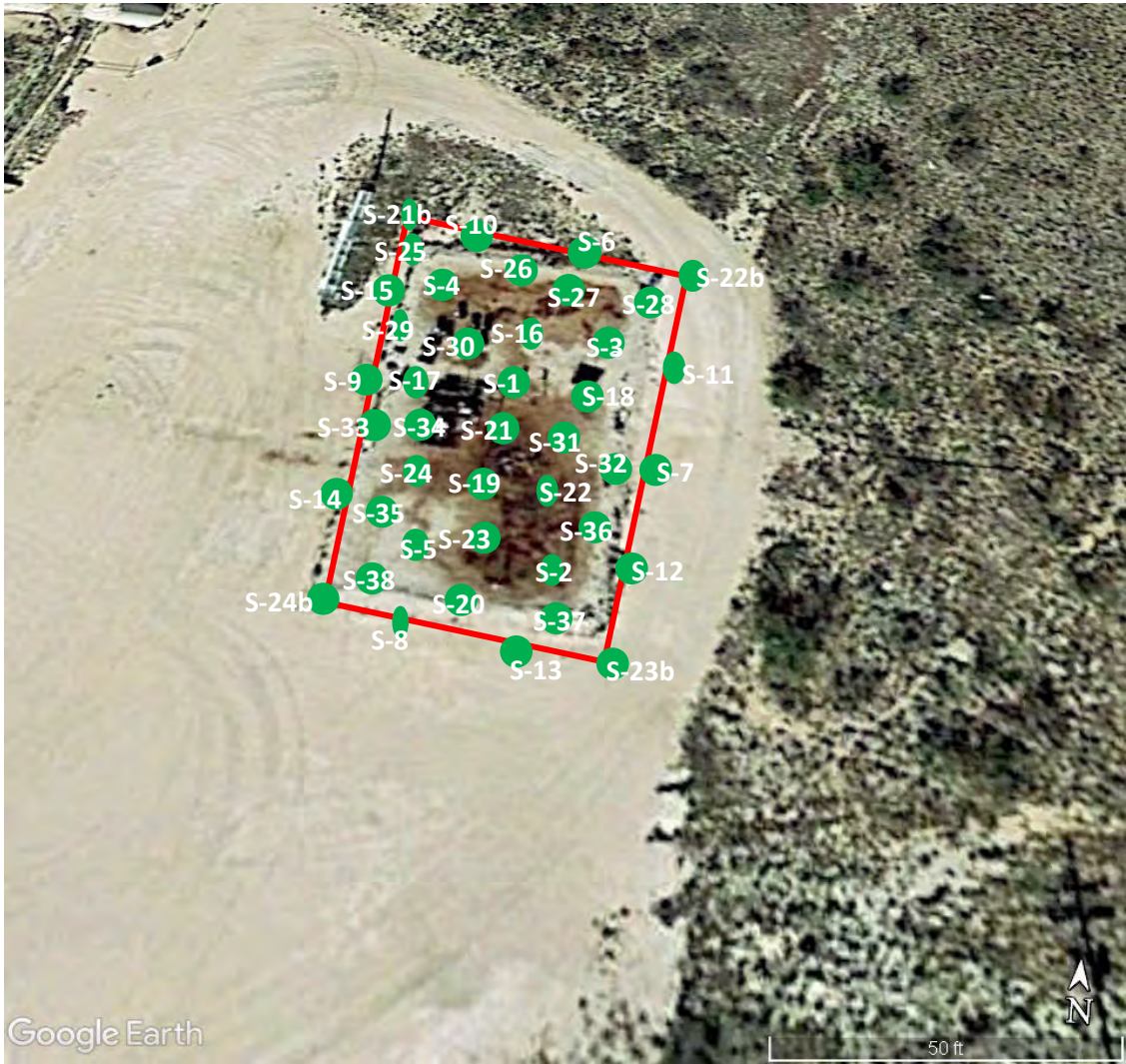
- GRO: Gasoline Range Organics
- DRO: Diesel Range Organics
- MRO: Motor Oil Range Organics
- : No NMOCD Closure Criteria established.
- bgs: Below Ground Surface
- Bold indicates the COC was above the appropriate laboratory method/sample detection limit.
- < indicates the COC was below the appropriate laboratory method/sample detection limit.
- Bold and yellow highlighting** indicates the COC was above the appropriate NMOCD Closure Criteria.
- Green highlighting** and italic font indicates soil was excavated and disposed.
- *1: LCS/LCSD RPD exceeds control limits.



FIGURES



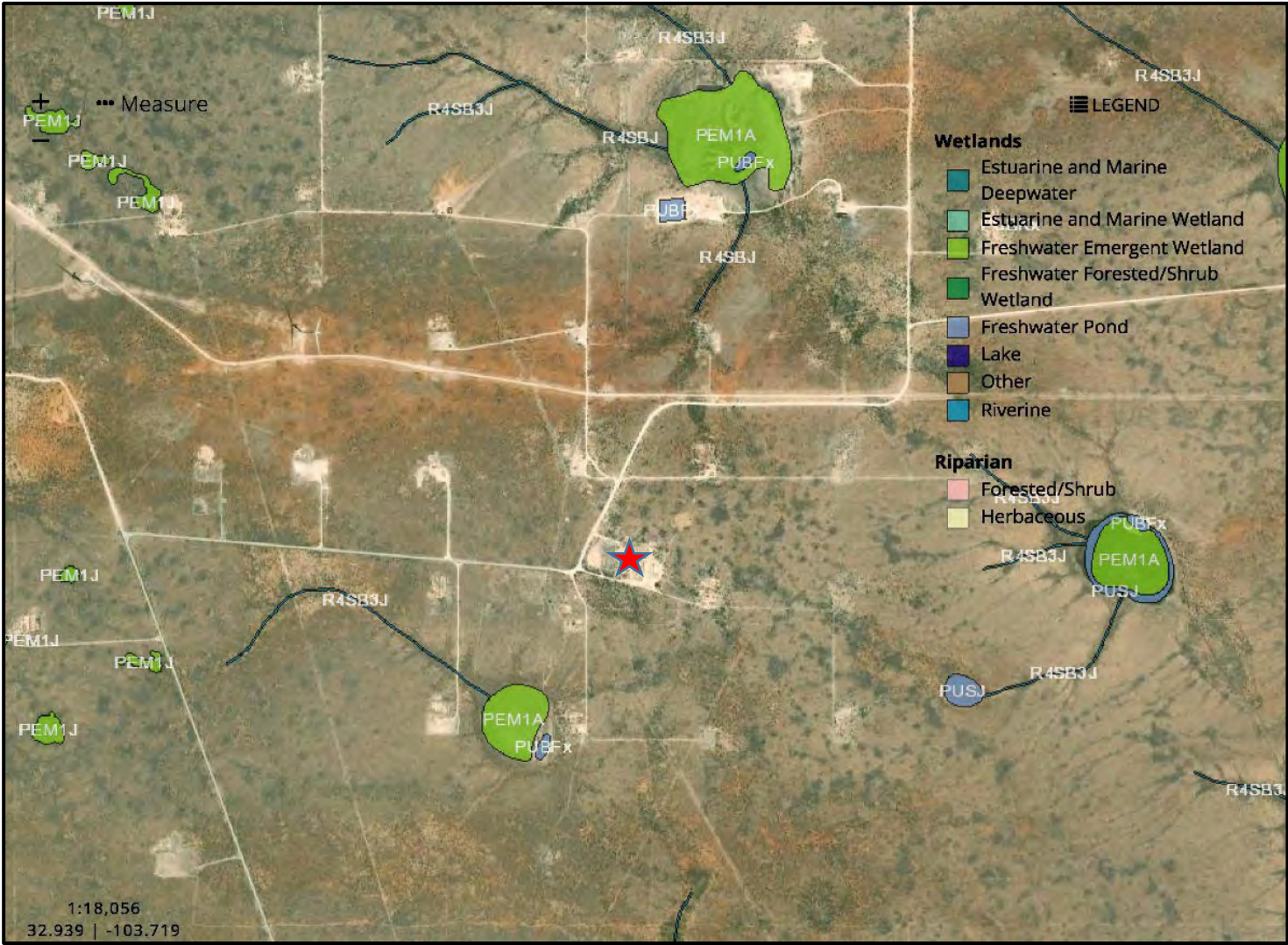
LEGEND:  Site Location Base Map From GAIA GPS	Figure 1 Site Location Map Grand Banks Energy Anderson Ranch Unit Tank Battery Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: Jan. 30, 2025	
		GPS: 32.938675° -103.736567°	



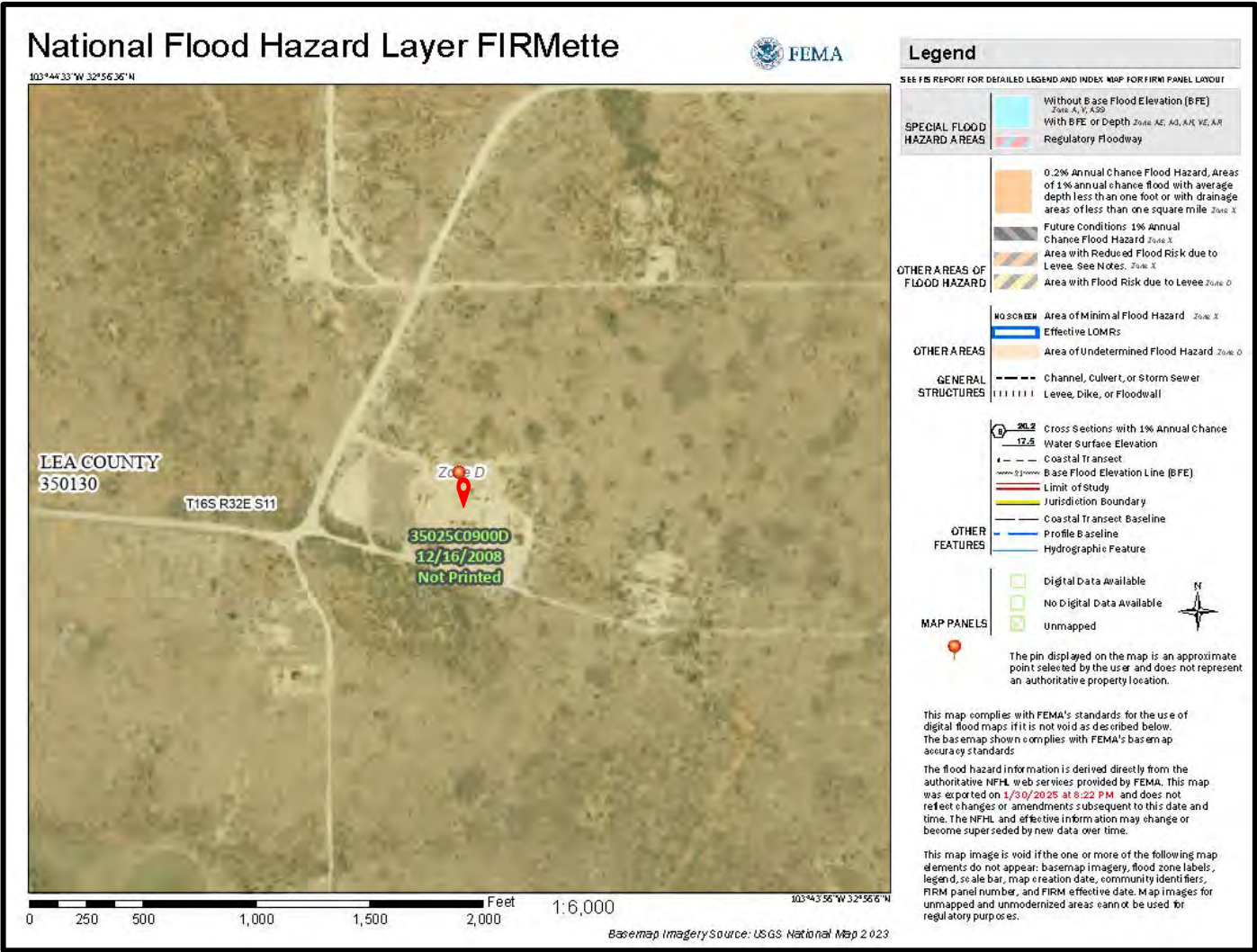
LEGEND: Excavation Boundary Sample Location with Concentrations (mg/kg). Highlight Indicates Concentration Above the Closure Limit. Highlight Indicates Soil was Excavated and Disposed. Base Map from Google Earth Pro	Figure 2 Site Map Grand Banks Energy Anderson Ranch Unit Tank Battery Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: March 10, 2025	
		GPS: 32.938675° -103.736567°	



LEGEND:  Site Location  Water Well Location Base Map From Google Earth Pro	Figure 3 Wellhead Protection Area Map Grand Banks Energy Anderson Ranch Unit Tank Battery Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: Jan. 30, 2025	
		GPS: 32.938675° -103.736567°	

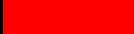


LEGEND:  Site Location Base Map From US Fish & Wildlife Service	Figure 4 National Wetlands Inventory Map Grand Banks Energy Anderson Ranch Unit Tank Battery Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: Jan. 30, 2025	
		GPS: 32.938675° -103.736567°	



LEGEND:  Site Location Base Map From FEMA	Figure 5 FEMA Floodplain Map Grand Banks Energy Anderson Ranch Unit Tank Battery Lea County, New Mexico	Drafted by: CC Checked by: CC Draft: Jan. 30, 2025 GPS: 32.938675° -103.736567°	



LEGEND:  Low Karst Potential  Medium Karst Potential  High Karst Potential Base Map From Google Earth Pro and BLM	Figure 6 Karst Potential Map Grand Banks Energy Anderson Ranch Unit Tank Battery Lea County, New Mexico		
		Drafted by: CC Checked by: CC	
		Draft: Jan. 30, 2025	
		GPS: 32.938675° -103.736567°	



Appendix A: NMOCD Communication

(Extension Denied) - Grand Banks Energy - Anderson Ranch Unit TB (Incident #nAPP2426254839)

Crain Environmental/OCTANE/ARU TB



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

to me, Chris, Michael., Shelly, 

RE: Incident #NAPP2426254839

Mon, Dec 16, 2024, 8:33 AM



Cindy,

A remediation plan was due on 9/16/2024. I'm not seeing any extension approval until December 19th on the OCD Incident page. Your request for extension is **denied**. An extension needs to be requested before the 90-day Remediation Deadline has expired. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave. | Artesia, NM 88210

575.909.0302 | robert.hamlet@emnrd.nm.gov

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



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

Sent: Saturday, December 14, 2024 3:11 PM

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

Cc: Chris Gaddy <chris.gaddy@octane-energy.com>

Subject: [EXTERNAL] Grand Banks Energy - Anderson Ranch Unit TB (Incident #nAPP2426254839) - Extension Request

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

Rob,

Remediation is being conducted at the Grand Banks Energy (GBE) Anderson Ranch Unit (ARU) Tank Battery; however, the most recent bottom and sidewall samples reported concentrations above the Closure Criteria. Additional excavation is being conducted and confirmation samples will be collected in the near future.

As a Closure Report is due to the OCD by December 19, 2024, GBE respectfully requests a 90-day extension for submission of the Report. Every effort will be made to submit the Closure Report as soon as possible.

Please let me know if you have any questions, or if you approve the extension.

Thank you,

Cindy Crain

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



Cindy Crain <cindy.crain@gmail.com>

to Robert,, Chris, Michael,, Shelly,



Tue, Dec 17, 2024, 10:35 AM



Rob,

As this is a historical site, and the Incident was reported and approved more than 90 days after determining there was a release, it was my understanding that we had 90 days from the approval date of the Initial C-141 to submit either a Remediation Workplan or Closure Report.

We are continuing to work on remediation at this site and will submit a Closure Report as soon as possible.

Thank you,
Cindy Crain

One attachment • Scanned by Gmail



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

to me, Chris, Michael,, Shelly,

Tue, Dec 17, 2024, 10:41 AM



Cindy,

Unfortunately, it's 90 days from the release date. Please move forward with the remediation at the site. If you have any questions, please let me know.

Regards,



Cindy Crain <cindy.crain@gmail.com>

to Robert,, Chris, Michael,, Shelly,



Tue, Dec 17, 2024, 10:43 AM



Rob -

1/30/25, 4:31 PM

(Extension Denied) - Grand Banks Energy - Anderson Ranch Unit TB (Incident #nAPP2426254839) - cindy.crain@gmail.com - Gmail

Thank you for your response. Is there a chance that the Closure Report will be denied since it will be submitted past the due date?

Cindy Crain

1/30/25, 8:57 PM

Cambrian Management - Chem State #001 (Incident #nAPP2426158921) - Extension Request - cindy.crain@gmail.com - Gmail

Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Dec 17, 2024, 11:02 AM



to Robert,, me, Chris, Michael, 

Hi Cindy,

Pursuant to 19.15.29.11 NMAC, it's 90 days from the date of the release. Please move forward with the remediation at the site. And to answer your other question, we would not deny a remediation closure report strictly for it being late; however, it could be denied if it does not adhere to 19.15.29.11 and 19.15.29.12 NMAC.



Cindy Crain <cindy.crain@gmail.com>

Dec 17, 2024, 11:03 AM



to Shelly,, Chris, Michael,, Robert, 

Thank you, Shelly -

I appreciate your response! We will submit a Closure Report as soon as possible.

Cindy Crain



Cindy Crain <cindy.crain@gmail.com>

The Oil Conservation Division (OCD) has rejected the application, Application ID: 426946

2 messages

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

Tue, Feb 11, 2025 at 9:39 AM

To whom it may concern (c/o Cindy Crain for GRAND BANKS ENERGY CO),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2426254839, for the following reasons:

- **Closure report denied.**
- **Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and the OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC.**
- **Sampling notifications were not provided for closure confirmation samples collected on 6/10/2024 and 8/7/2024.**
- **Sampling notification for samples collected on 1/15/2025 was submitted on 1/30/2025, post sampling.**
- **Sample S-4 sampled on 8/7/2024 as incomplete, BTEX and chloride was not sampled. The samples must be analyzed for the constituents listed in Table I of 19.15.29.12 NMAC.**
- **All samples collected on 6/10/2024, 8/7/2024, and 1/15/2025 will need to be recollected. A sampling notification must be filed via C-141N. Include pictures of all areas resampled.**
- **Submit report via the OCD permitting portal by March 12, 2025.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 426946.

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,
Ashley Maxwell
Projects Environmental Specialist - A
505-635-5000
Ashley.Maxwell@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 5:34 PM

To: "Maxwell, Ashley, EMNRD" <ashley.maxwell@emnrd.nm.gov>

Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, 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>, "Knight, Tami C." <tknight@nmslo.gov>

Ashley,

Grand Banks Energy is in receipt of denial of the Closure Report for the ARU TB (Incident #nAPP2426254839), and I have a couple of questions/clarifications:

- **Sampling notification for samples collected on 1/15/2025 was submitted on 1/30/2025, post sampling. The sample notification for samples collected on 1/15/25 was submitted on 1/9/25 (copy attached).**
- **Sample S-4 sampled on 8/7/2024 as incomplete, BTEX and chloride was not sampled. The samples must be analyzed for the constituents listed in Table I of 19.15.29.12 NMAC.**

- All samples collected on 6/10/2024, 8/7/2024, and 1/15/2025 will need to be recollected. A sampling notification must be filed via C-141N. Include pictures of all areas resampled. The following samples collected on 6/10/24 will be recollected: S-1 and S-2. Only two of the samples collected on 8/7/24 were final samples (S-4 and S-6). Those samples will be recollected. A sample notification was also not provided for samples collected on 6/26/24; however, only one of those samples (S-5) was a final sample, and that sample will be recollected. Proper sample notification was provided for samples collected on 1/15/25, and those samples will not be recollected.
- Submit report via the OCD permitting portal by March 12, 2025.

To avoid denial of the revised Closure Report, could you please let me know if you agree with the above list of samples to be recollected. All samples will be analyzed for TPH, BTEX, and chlorides, and a sample notification will be submitted at least 2 days prior to sample collection.

Your assistance is appreciated,
Cindy Crain

[Quoted text hidden]

--

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



ARU TB Sample Notification for 1.15.25_submitted 1.9.25.pdf
293K



Appendix B: Water Well Files

Point of Diversion Summary

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

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tw	Rng	X	Y	Map
	L 02846	SE	NE	NW	11	16S	32E	617956.0	3645413.0 *	

* UTM location was derived from PLSS - see Help

Driller License:	46	Driller Company:	ABBOTT BROTHERS COMPANY		
Driller Name:	CLYDE ABBOTT				
Drill Start Date:		Drill Finish Date:	1953-05-06	Plug Date:	
Log File Date:	1955-04-11	PCW Rcv Date:	1960-03-16	Source:	Shallow
Pump Type:	TURBIN	Pipe Discharge Size:	4	Estimated Yield:	60
Casing Size:	7.00	Depth Well:	328	Depth Water:	275

Water Bearing Stratifications:

Top	Bottom	Description
275	328	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
275	328

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



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site_no list =

- 325614103434001

Minimum number of levels = 1
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USGS 325614103434001 16S.32E.11.24143

Lea County, New Mexico
Latitude 32°56'17", Longitude 103°43'52" NAD27
Land-surface elevation 4,301.00 feet above NGVD29
The depth of the well is 317 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source (measured)
1961-03-15			D 62610		4084.14	NGVD29	1	Z		
1961-03-15			D 62611		4085.84	NAVD88	1	Z		
1961-03-15			D 72019	216.86			1	Z		
1966-02-16			D 62610		4076.83	NGVD29	1	Z		
1966-02-16			D 62611		4078.53	NAVD88	1	Z		
1966-02-16			D 72019	224.17			1	Z		
1971-03-23			D 62610		4084.94	NGVD29	1	Z		
1971-03-23			D 62611		4086.64	NAVD88	1	Z		
1971-03-23			D 72019	216.06			1	Z		
1976-05-07			D 62610		4085.05	NGVD29	1	Z		
1976-05-07			D 62611		4086.75	NAVD88	1	Z		
1976-05-07			D 72019	215.95			1	Z		
1981-03-27			D 62610		4084.26	NGVD29	1	Z		
1981-03-27			D 62611		4085.96	NAVD88	1	Z		
1981-03-27			D 72019	216.74			1	Z		

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

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URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



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Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 325650103435601

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 325650103435601 16S.32E.02.41341

Lea County, New Mexico
Latitude 32°56'50", Longitude 103°43'56" NAD27
Land-surface elevation 4,277 feet above NAVD88
The depth of the well is 328 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1961-03-15			D 62610		4068.31	NGVD29	1		Z	
1961-03-15			D 62611		4070.01	NAVD88	1		Z	
1961-03-15			D 72019	206.99			1		Z	
1976-05-06			D 62610		4065.40	NGVD29	1		Z	
1976-05-06			D 62611		4067.10	NAVD88	1		Z	
1976-05-06			D 72019	209.90			1		Z	
1981-03-27			D 62610		4063.96	NGVD29	1		Z	
1981-03-27			D 62611		4065.66	NAVD88	1		Z	
1981-03-27			D 72019	211.34			1		Z	
1986-01-10			D 62610		4064.02	NGVD29	1		Z	
1986-01-10			D 62611		4065.72	NAVD88	1		Z	
1986-01-10			D 72019	211.28			1		Z	
1990-11-30			D 62610		4062.76	NGVD29	1		Z	
1990-11-30			D 62611		4064.46	NAVD88	1		Z	
1990-11-30			D 72019	212.54			1		Z	
2001-02-16			D 62610		4061.18	NGVD29	1		S	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
2001-02-16			D	62611	4062.88	NAVD88	1	S		
2001-02-16			D	72019	214.12		1	S		
2006-02-16	19:18 UTC	m	62610		4062.10	NGVD29	1	S	USGS	
2006-02-16	19:18 UTC	m	62611		4063.80	NAVD88	1	S	USGS	
2006-02-16	19:18 UTC	m	72019	213.20			1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

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Appendix C: Laboratory Analytical Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Cindy Crain
Crain Environmental
2925 E. 17th St.
Odessa, Texas 79761
Generated 6/17/2024 3:23:53 PM

JOB DESCRIPTION

ARU TB (Pump Area)
Lea Co., NM

JOB NUMBER

880-44623-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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6/17/2024 3:23:53 PM

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

Client: Crain Environmental
Project/Site: ARU TB (Pump Area)

Laboratory Job ID: 880-44623-1
SDG: Lea Co., NM

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Definitions/Glossary

Client: Crain Environmental
Project/Site: ARU TB (Pump Area)

Job ID: 880-44623-1
SDG: Lea Co., NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Crain Environmental
Project: ARU TB (Pump Area)

Job ID: 880-44623-1

Job ID: 880-44623-1

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Job Narrative 880-44623-1

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 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 6/11/2024 1:40 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 0.6°C.

GC VOA

Method 8021B: The following sample was diluted due to the nature of the sample matrix: S-2 (4.5') (880-44623-2). Elevated reporting limits (RLs) are provided.

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 samples were outside control limits: (LCS 880-83052/2-A), (MB 880-83052/1-A) and (880-44536-A-4-D). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

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Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB (Pump Area)

Job ID: 880-44623-1
SDG: Lea Co., NM

Client Sample ID: S-1 (4.5')

Lab Sample ID: 880-44623-1

Date Collected: 06/10/24 13:20

Matrix: Solid

Date Received: 06/11/24 13:40

Sample Depth: 4.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/11/24 15:11	06/11/24 18:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/11/24 15:11	06/11/24 18:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/11/24 15:11	06/11/24 18:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/11/24 15:11	06/11/24 18:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/11/24 15:11	06/11/24 18:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/11/24 15:11	06/11/24 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/11/24 15:11	06/11/24 18:45	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/11/24 15:11	06/11/24 18:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			06/11/24 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/14/24 20:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/13/24 08:05	06/14/24 20:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/13/24 08:05	06/14/24 20:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/13/24 08:05	06/14/24 20:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane				06/13/24 08:05	06/14/24 20:15	1
o-Terphenyl				06/13/24 08:05	06/14/24 20:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	165		4.95		mg/Kg			06/12/24 10:08	1

Client Sample ID: S-2 (4.5')

Lab Sample ID: 880-44623-2

Date Collected: 06/10/24 13:25

Matrix: Solid

Date Received: 06/11/24 13:40

Sample Depth: 4.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0499	U	0.0499		mg/Kg		06/11/24 15:11	06/11/24 20:07	25
Toluene	0.0681		0.0499		mg/Kg		06/11/24 15:11	06/11/24 20:07	25
Ethylbenzene	0.0560		0.0499		mg/Kg		06/11/24 15:11	06/11/24 20:07	25
m-Xylene & p-Xylene	<0.0998	U	0.0998		mg/Kg		06/11/24 15:11	06/11/24 20:07	25
o-Xylene	<0.0499	U	0.0499		mg/Kg		06/11/24 15:11	06/11/24 20:07	25
Xylenes, Total	<0.0998	U	0.0998		mg/Kg		06/11/24 15:11	06/11/24 20:07	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	06/11/24 15:11	06/11/24 20:07	25

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Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB (Pump Area)

Job ID: 880-44623-1
SDG: Lea Co., NM

Client Sample ID: S-2 (4.5')
Date Collected: 06/10/24 13:25
Date Received: 06/11/24 13:40
Sample Depth: 4.5'

Lab Sample ID: 880-44623-2
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)										
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,4-Difluorobenzene (Surr)	100		70 - 130				06/11/24 15:11	06/11/24 20:07	25	
Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	0.124		0.0998		mg/Kg	-		06/11/24 20:07	1	
Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	83.1		49.9		mg/Kg	-		06/14/24 20:33	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg	-	06/13/24 08:05	06/14/24 20:33	1	
Diesel Range Organics (Over C10-C28)	83.1		49.9		mg/Kg	-	06/13/24 08:05	06/14/24 20:33	1	
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg	-	06/13/24 08:05	06/14/24 20:33	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane							06/13/24 08:05	06/14/24 20:33	1	
o-Terphenyl							06/13/24 08:05	06/14/24 20:33	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	90.9		5.03		mg/Kg	-		06/12/24 10:14	1	

Surrogate Summary

Client: Crain Environmental
Project/Site: ARU TB (Pump Area)

Job ID: 880-44623-1
SDG: Lea Co., NM

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-44623-1	S-1 (4.5')	104	100
880-44623-2	S-2 (4.5')	110	100
LCS 880-82919/1-A	Lab Control Sample	99	99
LCS 880-82951/1-A	Lab Control Sample	105	99
LCSD 880-82919/2-A	Lab Control Sample Dup	100	99
LCSD 880-82951/2-A	Lab Control Sample Dup	108	100
MB 880-82919/5-A	Method Blank	100	100
MB 880-82951/5-A	Method Blank	108	93
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1	OTPH1
880-44623-1	S-1 (4.5')		
880-44623-2	S-2 (4.5')		
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCS 880-83052/2-A	Lab Control Sample	137 S1+	102
LCSD 880-83052/3-A	Lab Control Sample Dup	95	88
MB 880-83052/1-A	Method Blank	140 S1+	124
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB (Pump Area)

Job ID: 880-44623-1
SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-82919/5-A

Matrix: Solid

Analysis Batch: 82867

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82919

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/11/24 15:11	06/11/24 16:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/11/24 15:11	06/11/24 16:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/11/24 15:11	06/11/24 16:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/11/24 15:11	06/11/24 16:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/11/24 15:11	06/11/24 16:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/11/24 15:11	06/11/24 16:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	06/11/24 15:11	06/11/24 16:41	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/11/24 15:11	06/11/24 16:41	1

Lab Sample ID: LCS 880-82919/1-A

Matrix: Solid

Analysis Batch: 82867

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08928		mg/Kg		89	70 - 130
Toluene	0.100	0.09143		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.09440		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1987		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09966		mg/Kg		100	70 - 130

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

Lab Sample ID: LCSD 880-82919/2-A

Matrix: Solid

Analysis Batch: 82867

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82919

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08442		mg/Kg		84	70 - 130	6	35
Toluene	0.100	0.08650		mg/Kg		87	70 - 130	6	35
Ethylbenzene	0.100	0.08967		mg/Kg		90	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1888		mg/Kg		94	70 - 130	5	35
o-Xylene	0.100	0.09500		mg/Kg		95	70 - 130	5	35

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

Lab Sample ID: MB 880-82951/5-A

Matrix: Solid

Analysis Batch: 82949

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/12/24 08:50	06/12/24 11:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/12/24 08:50	06/12/24 11:50	1

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB (Pump Area)

Job ID: 880-44623-1
SDG: Lea Co., NM

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

Lab Sample ID: MB 880-82951/5-A

Matrix: Solid

Analysis Batch: 82949

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 82951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/12/24 08:50	06/12/24 11:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/12/24 08:50	06/12/24 11:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/12/24 08:50	06/12/24 11:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/12/24 08:50	06/12/24 11:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	06/12/24 08:50	06/12/24 11:50	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/12/24 08:50	06/12/24 11:50	1

Lab Sample ID: LCS 880-82951/1-A

Matrix: Solid

Analysis Batch: 82949

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 82951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08198		mg/Kg		82	70 - 130
Toluene	0.100	0.08107		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.08802		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1808		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09328		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-82951/2-A

Matrix: Solid

Analysis Batch: 82949

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 82951

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09071		mg/Kg		91	70 - 130	10	35
Toluene	0.100	0.08905		mg/Kg		89	70 - 130	9	35
Ethylbenzene	0.100	0.09640		mg/Kg		96	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.1979		mg/Kg		99	70 - 130	9	35
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-83052/1-A

Matrix: Solid

Analysis Batch: 83194

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 83052

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/13/24 08:05	06/14/24 08:15	1

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB (Pump Area)

Job ID: 880-44623-1
SDG: Lea Co., NM

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

Lab Sample ID: MB 880-83052/1-A

Matrix: Solid

Analysis Batch: 83194

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 83052

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/13/24 08:05	06/14/24 08:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/13/24 08:05	06/14/24 08:15	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	140	S1+	70 - 130				06/13/24 08:05	06/14/24 08:15	1
o-Terphenyl	124		70 - 130				06/13/24 08:05	06/14/24 08:15	1

Lab Sample ID: LCS 880-83052/2-A

Matrix: Solid

Analysis Batch: 83194

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 83052

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1198		mg/Kg		120	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	974.7		mg/Kg		97	70 - 130		
Surrogate	LCS	LCS	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	137	S1+	70 - 130						
o-Terphenyl	102		70 - 130						

Lab Sample ID: LCSD 880-83052/3-A

Matrix: Solid

Analysis Batch: 83194

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 83052

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1041		mg/Kg		104	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	892.3		mg/Kg		89	70 - 130	9	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	95		70 - 130						
o-Terphenyl	88		70 - 130						

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-82922/1-A

Matrix: Solid

Analysis Batch: 82950

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			06/12/24 09:16	1

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB (Pump Area)

Job ID: 880-44623-1
SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-82922/2-A					Client Sample ID: Lab Control Sample				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 82950									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	237.5		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-82922/3-A					Client Sample ID: Lab Control Sample Dup				
Matrix: Solid					Prep Type: Soluble				
Analysis Batch: 82950									
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	234.6		mg/Kg		94	90 - 110	1	20

QC Association Summary

Client: Crain Environmental
Project/Site: ARU TB (Pump Area)

Job ID: 880-44623-1
SDG: Lea Co., NM

GC VOA

Analysis Batch: 82867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44623-1	S-1 (4.5')	Total/NA	Solid	8021B	82919
880-44623-2	S-2 (4.5')	Total/NA	Solid	8021B	82919
MB 880-82919/5-A	Method Blank	Total/NA	Solid	8021B	82919
LCS 880-82919/1-A	Lab Control Sample	Total/NA	Solid	8021B	82919
LCSD 880-82919/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	82919

Prep Batch: 82919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44623-1	S-1 (4.5')	Total/NA	Solid	5035	
880-44623-2	S-2 (4.5')	Total/NA	Solid	5035	
MB 880-82919/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-82919/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-82919/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 82949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-82951/5-A	Method Blank	Total/NA	Solid	8021B	82951
LCS 880-82951/1-A	Lab Control Sample	Total/NA	Solid	8021B	82951
LCSD 880-82951/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	82951

Prep Batch: 82951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-82951/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-82951/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-82951/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 83041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44623-1	S-1 (4.5')	Total/NA	Solid	Total BTEX	
880-44623-2	S-2 (4.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 83052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44623-1	S-1 (4.5')	Total/NA	Solid	8015NM Prep	
880-44623-2	S-2 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-83052/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-83052/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-83052/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 83194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44623-1	S-1 (4.5')	Total/NA	Solid	8015B NM	83052
880-44623-2	S-2 (4.5')	Total/NA	Solid	8015B NM	83052
MB 880-83052/1-A	Method Blank	Total/NA	Solid	8015B NM	83052
LCS 880-83052/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	83052
LCSD 880-83052/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	83052

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: ARU TB (Pump Area)

Job ID: 880-44623-1
SDG: Lea Co., NM

GC Semi VOA

Analysis Batch: 83370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44623-1	S-1 (4.5')	Total/NA	Solid	8015 NM	
880-44623-2	S-2 (4.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 82922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44623-1	S-1 (4.5')	Soluble	Solid	DI Leach	
880-44623-2	S-2 (4.5')	Soluble	Solid	DI Leach	
MB 880-82922/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-82922/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-82922/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 82950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-44623-1	S-1 (4.5')	Soluble	Solid	300.0	82922
880-44623-2	S-2 (4.5')	Soluble	Solid	300.0	82922
MB 880-82922/1-A	Method Blank	Soluble	Solid	300.0	82922
LCS 880-82922/2-A	Lab Control Sample	Soluble	Solid	300.0	82922
LCSD 880-82922/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	82922

Lab Chronicle

Client: Crain Environmental
Project/Site: ARU TB (Pump Area)

Job ID: 880-44623-1
SDG: Lea Co., NM

Client Sample ID: S-1 (4.5')
Date Collected: 06/10/24 13:20
Date Received: 06/11/24 13:40

Lab Sample ID: 880-44623-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	82919	06/11/24 15:11	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	82867	06/11/24 18:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			83041	06/11/24 18:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			83370	06/14/24 20:15	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	83052	06/13/24 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83194	06/14/24 20:15	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	82922	06/11/24 15:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82950	06/12/24 10:08	CH	EET MID

Client Sample ID: S-2 (4.5')
Date Collected: 06/10/24 13:25
Date Received: 06/11/24 13:40

Lab Sample ID: 880-44623-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	82919	06/11/24 15:11	MNR	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	82867	06/11/24 20:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			83041	06/11/24 20:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			83370	06/14/24 20:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	83052	06/13/24 08:05	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	83194	06/14/24 20:33	AJ	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	82922	06/11/24 15:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	82950	06/12/24 10:14	CH	EET MID

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

Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: ARU TB (Pump Area)

Job ID: 880-44623-1
SDG: Lea Co., NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Crain Environmental
Project/Site: ARU TB (Pump Area)

Job ID: 880-44623-1
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: ARU TB (Pump Area)

Job ID: 880-44623-1
SDG: Lea Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-44623-1	S-1 (4.5')	Solid	06/10/24 13:20	06/11/24 13:40	4.5'
880-44623-2	S-2 (4.5')	Solid	06/10/24 13:25	06/11/24 13:40	4.5'

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Environment Testing

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

Chain of Custody



880-44623 Chain of Custody

Page 1 of 1
www.xenco.com

Project Manager:	Cindy Crain	Bill to: (if different)	Chris Gandy
Company Name:	Crain Environmental	Company Name:	Active Energy
Address:	2925 E. 17th St.	Address:	310 W. Wall, Ste. 300
City, State ZIP:	Odessa, TX 79761	City, State ZIP:	Midland, TX 79701
Phone:	(575) 441-7244	Email:	Cindy.Crain@gmail.com

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

[illegible]

Total 200.7 / 6010	2003 / 6020:	8RCRA	13PPM	Texas	11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	Sr	Ti	Sn	U	Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP	/SPLP	6010	:	8RCRA	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U										
Notice: Signature of this document and relinquishment of sample constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and sub-contractors. It assigns standard terms and conditions of service. Eurofins Xeno will be liable only for the costs 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 Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated.																																
Hg: 1631 / 245.1 / 77470 / 77471																																

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Long Sean</i>	<i>[Signature]</i>	10/11/24	2		
3		1340	4		
5			6		

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-44623-1

SDG Number: Lea Co., NM

Login Number: 44623

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Cindy Crain
Crain Environmental
2925 E. 17th St.
Odessa, Texas 79761
Generated 7/5/2024 4:13:42 PM

JOB DESCRIPTION

Anderson Ranch Unit TB
Lea Co. NM

JOB NUMBER

880-45425-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

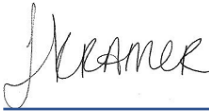
Eurofins Midland

Job Notes

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

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

Authorization



Generated
7/5/2024 4:13:42 PM

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

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Laboratory Job ID: 880-45425-1
SDG: Lea Co. NM

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Definitions/Glossary

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

Qualifiers

GC VOA

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

GC Semi VOA

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

Case Narrative

Client: Crain Environmental
Project: Anderson Ranch Unit TB

Job ID: 880-45425-1

Job ID: 880-45425-1

Eurofins Midland

Job Narrative 880-45425-1

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 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 6/28/2024 3:23 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 1.5°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-3 (1') (880-45425-1), S-4 (1') (880-45425-2), S-5 (4.1') (880-45425-3), S-6 (0-1') (880-45425-4), S-7 (0-1') (880-45425-5), S-8 (0-4') (880-45425-6) and S-9 (0-4') (880-45425-7).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-84827 and analytical batch 880-84806 was outside the upper control limits.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: S-4 (1') (880-45425-2). Elevated reporting limits (RLs) are provided.

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 880-84594 and analytical batch 880-84647 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-3 (1') (880-45425-1), S-4 (1') (880-45425-2), S-5 (4.1') (880-45425-3), S-6 (0-1') (880-45425-4), S-7 (0-1') (880-45425-5), S-8 (0-4') (880-45425-6), S-9 (0-4') (880-45425-7), (LCS 880-84594/2-A), (880-45368-A-83-C), (880-45368-A-83-D MS) and (880-45368-A-83-E MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-84594 and analytical batch 880-84647 contained Gasoline Range Organics (GRO)-C6-C10 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.

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

Client Sample ID: S-3 (1')

Lab Sample ID: 880-45425-1

Date Collected: 06/26/24 13:40

Matrix: Solid

Date Received: 06/28/24 15:23

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/01/24 09:10	07/01/24 17:10	1
Toluene	0.0480		0.00198		mg/Kg		07/01/24 09:10	07/01/24 17:10	1
Ethylbenzene	0.0573		0.00198		mg/Kg		07/01/24 09:10	07/01/24 17:10	1
m-Xylene & p-Xylene	0.783		0.398		mg/Kg		07/03/24 16:13	07/04/24 02:04	100
o-Xylene	2.55		0.199		mg/Kg		07/03/24 16:13	07/04/24 02:04	100
Xylenes, Total	3.33		0.398		mg/Kg		07/03/24 16:13	07/04/24 02:04	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/01/24 09:10	07/01/24 17:10	1
1,4-Difluorobenzene (Surr)	8	S1-	70 - 130	07/01/24 09:10	07/01/24 17:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	3.44		0.398		mg/Kg			07/04/24 02:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	7440		50.0		mg/Kg			07/01/24 18:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	117		50.0		mg/Kg		06/28/24 16:24	07/01/24 18:02	1
Diesel Range Organics (Over C10-C28)	7320		50.0		mg/Kg		06/28/24 16:24	07/01/24 18:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/24 16:24	07/01/24 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	163	S1+	70 - 130	06/28/24 16:24	07/01/24 18:02	1
o-Terphenyl	174	S1+	70 - 130	06/28/24 16:24	07/01/24 18:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	50.6		5.05		mg/Kg			07/04/24 05:23	1

Client Sample ID: S-4 (1')

Lab Sample ID: 880-45425-2

Date Collected: 06/26/24 13:45

Matrix: Solid

Date Received: 06/28/24 15:23

Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0502	U	0.0502		mg/Kg		07/02/24 11:42	07/02/24 20:46	25
Toluene	0.0593		0.0502		mg/Kg		07/02/24 11:42	07/02/24 20:46	25
Ethylbenzene	<0.0502	U	0.0502		mg/Kg		07/02/24 11:42	07/02/24 20:46	25
m-Xylene & p-Xylene	<0.100	U	0.100		mg/Kg		07/02/24 11:42	07/02/24 20:46	25
o-Xylene	<0.0502	U	0.0502		mg/Kg		07/02/24 11:42	07/02/24 20:46	25
Xylenes, Total	<0.100	U	0.100		mg/Kg		07/02/24 11:42	07/02/24 20:46	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	07/02/24 11:42	07/02/24 20:46	25

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

Client Sample ID: S-4 (1')

Lab Sample ID: 880-45425-2

Date Collected: 06/26/24 13:45

Matrix: Solid

Date Received: 06/28/24 15:23

Sample Depth: 1'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96		70 - 130	07/02/24 11:42	07/02/24 20:46	25

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.100	U	0.100		mg/Kg			07/02/24 20:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4220		49.8		mg/Kg			07/01/24 18:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/28/24 16:24	07/01/24 18:21	1
Diesel Range Organics (Over C10-C28)	4220		49.8		mg/Kg		06/28/24 16:24	07/01/24 18:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/28/24 16:24	07/01/24 18:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	204	S1+	70 - 130				06/28/24 16:24	07/01/24 18:21	1
o-Terphenyl	224	S1+	70 - 130				06/28/24 16:24	07/01/24 18:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65.9		4.98		mg/Kg			07/04/24 05:45	1

Client Sample ID: S-5 (4.1')

Lab Sample ID: 880-45425-3

Date Collected: 06/26/24 13:50

Matrix: Solid

Date Received: 06/28/24 15:23

Sample Depth: 4.1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/01/24 09:10	07/01/24 17:51	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/01/24 09:10	07/01/24 17:51	1
Ethylbenzene	0.00274		0.00202		mg/Kg		07/01/24 09:10	07/01/24 17:51	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/01/24 09:10	07/01/24 17:51	1
o-Xylene	0.00352		0.00202		mg/Kg		07/01/24 09:10	07/01/24 17:51	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/01/24 09:10	07/01/24 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/01/24 09:10	07/01/24 17:51	1
1,4-Difluorobenzene (Surr)	82		70 - 130	07/01/24 09:10	07/01/24 17:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00626		0.00403		mg/Kg			07/01/24 17:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	764		49.8		mg/Kg			07/01/24 18:41	1

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Client Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

Client Sample ID: S-5 (4.1')
Date Collected: 06/26/24 13:50
Date Received: 06/28/24 15:23
Sample Depth: 4.1'

Lab Sample ID: 880-45425-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/28/24 16:24	07/01/24 18:41	1	
Diesel Range Organics (Over C10-C28)	764		49.8		mg/Kg		06/28/24 16:24	07/01/24 18:41	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/28/24 16:24	07/01/24 18:41	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	178	S1+	70 - 130				06/28/24 16:24	07/01/24 18:41	1	
o-Terphenyl	204	S1+	70 - 130				06/28/24 16:24	07/01/24 18:41	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	213		4.99		mg/Kg			07/04/24 05:52	1	

Client Sample ID: S-6 (0-1')
Date Collected: 06/26/24 13:55
Date Received: 06/28/24 15:23
Sample Depth: 0-1'

Lab Sample ID: 880-45425-4
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00199	U	0.00199		mg/Kg		07/01/24 09:10	07/01/24 18:11	1	
Toluene	<0.00199	U	0.00199		mg/Kg		07/01/24 09:10	07/01/24 18:11	1	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/01/24 09:10	07/01/24 18:11	1	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/01/24 09:10	07/01/24 18:11	1	
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/01/24 09:10	07/01/24 18:11	1	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/01/24 09:10	07/01/24 18:11	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	104		70 - 130				07/01/24 09:10	07/01/24 18:11	1	
1,4-Difluorobenzene (Surr)	89		70 - 130				07/01/24 09:10	07/01/24 18:11	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/01/24 18:11	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	649		50.0		mg/Kg			07/01/24 19:00	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/28/24 16:24	07/01/24 19:00	1	
Diesel Range Organics (Over C10-C28)	649		50.0		mg/Kg		06/28/24 16:24	07/01/24 19:00	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/24 16:24	07/01/24 19:00	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	168	S1+	70 - 130				06/28/24 16:24	07/01/24 19:00	1	
o-Terphenyl	192	S1+	70 - 130				06/28/24 16:24	07/01/24 19:00	1	

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Client Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-45425-4

Date Collected: 06/26/24 13:55

Matrix: Solid

Date Received: 06/28/24 15:23

Sample Depth: 0-1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.5		4.95		mg/Kg			07/04/24 05:59	1

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-45425-5

Date Collected: 06/26/24 14:00

Matrix: Solid

Date Received: 06/28/24 15:23

Sample Depth: 0-1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/01/24 09:10	07/01/24 18:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/01/24 09:10	07/01/24 18:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/01/24 09:10	07/01/24 18:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/01/24 09:10	07/01/24 18:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/01/24 09:10	07/01/24 18:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/01/24 09:10	07/01/24 18:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				07/01/24 09:10	07/01/24 18:32	1
1,4-Difluorobenzene (Surr)	90		70 - 130				07/01/24 09:10	07/01/24 18:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/01/24 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3470		49.9		mg/Kg			07/01/24 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/28/24 16:24	07/01/24 17:03	1
Diesel Range Organics (Over C10-C28)	3470		49.9		mg/Kg		06/28/24 16:24	07/01/24 17:03	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/28/24 16:24	07/01/24 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	163	S1+	70 - 130				06/28/24 16:24	07/01/24 17:03	1
o-Terphenyl	183	S1+	70 - 130				06/28/24 16:24	07/01/24 17:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.7		4.95		mg/Kg			07/04/24 06:06	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

Client Sample ID: S-8 (0-4')

Lab Sample ID: 880-45425-6

Date Collected: 06/26/24 14:05

Matrix: Solid

Date Received: 06/28/24 15:23

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/01/24 09:10	07/01/24 18:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/01/24 09:10	07/01/24 18:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/01/24 09:10	07/01/24 18:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/01/24 09:10	07/01/24 18:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/01/24 09:10	07/01/24 18:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/01/24 09:10	07/01/24 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	07/01/24 09:10	07/01/24 18:52	1
1,4-Difluorobenzene (Surr)	90		70 - 130	07/01/24 09:10	07/01/24 18:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/01/24 18:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1490		49.9		mg/Kg			07/01/24 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/28/24 16:24	07/01/24 17:23	1
Diesel Range Organics (Over C10-C28)	1490		49.9		mg/Kg		06/28/24 16:24	07/01/24 17:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/28/24 16:24	07/01/24 17:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	06/28/24 16:24	07/01/24 17:23	1
o-Terphenyl	150	S1+	70 - 130	06/28/24 16:24	07/01/24 17:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	297		4.98		mg/Kg			07/04/24 06:28	1

Client Sample ID: S-9 (0-4')

Lab Sample ID: 880-45425-7

Date Collected: 06/26/24 14:10

Matrix: Solid

Date Received: 06/28/24 15:23

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/01/24 09:10	07/01/24 19:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/01/24 09:10	07/01/24 19:12	1
Ethylbenzene	0.00550		0.00198		mg/Kg		07/01/24 09:10	07/01/24 19:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/01/24 09:10	07/01/24 19:12	1
o-Xylene	0.00336		0.00198		mg/Kg		07/01/24 09:10	07/01/24 19:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/01/24 09:10	07/01/24 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	07/01/24 09:10	07/01/24 19:12	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

Client Sample ID: S-9 (0-4')

Lab Sample ID: 880-45425-7

Date Collected: 06/26/24 14:10

Matrix: Solid

Date Received: 06/28/24 15:23

Sample Depth: 0-4'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	94		70 - 130	07/01/24 09:10	07/01/24 19:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00886		0.00396		mg/Kg			07/01/24 19:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4880		49.8		mg/Kg			07/01/24 17:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	61.3		49.8		mg/Kg		06/28/24 16:24	07/01/24 17:42	1
Diesel Range Organics (Over C10-C28)	4820		49.8		mg/Kg		06/28/24 16:24	07/01/24 17:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		06/28/24 16:24	07/01/24 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	158	S1+	70 - 130	06/28/24 16:24	07/01/24 17:42	1
o-Terphenyl	179	S1+	70 - 130	06/28/24 16:24	07/01/24 17:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	380		5.01		mg/Kg			07/04/24 06:35	1

Surrogate Summary

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-45425-1	S-3 (1')	100	8 S1-
880-45425-2	S-4 (1')	116	96
880-45425-3	S-5 (4.1')	95	82
880-45425-4	S-6 (0-1')	104	89
880-45425-5	S-7 (0-1')	103	90
880-45425-6	S-8 (0-4')	106	90
880-45425-7	S-9 (0-4')	113	94
LCS 880-84633/1-A	Lab Control Sample	105	93
LCS 880-84827/1-A	Lab Control Sample	116	97
LCS 880-84986/1-A	Lab Control Sample	104	94
LCSD 880-84633/2-A	Lab Control Sample Dup	103	93
LCSD 880-84827/2-A	Lab Control Sample Dup	105	104
LCSD 880-84986/2-A	Lab Control Sample Dup	105	94
MB 880-84633/5-A	Method Blank	105	85
MB 880-84827/5-A	Method Blank	221 S1+	145 S1+
MB 880-84960/5-A	Method Blank	106	86
MB 880-84986/5-A	Method Blank	110	87
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-45425-1	S-3 (1')	163 S1+	174 S1+
880-45425-2	S-4 (1')	204 S1+	224 S1+
880-45425-3	S-5 (4.1')	178 S1+	204 S1+
880-45425-4	S-6 (0-1')	168 S1+	192 S1+
880-45425-5	S-7 (0-1')	163 S1+	183 S1+
880-45425-6	S-8 (0-4')	138 S1+	150 S1+
880-45425-7	S-9 (0-4')	158 S1+	179 S1+
LCS 880-84594/2-A	Lab Control Sample	144 S1+	157 S1+
LCSD 880-84594/3-A	Lab Control Sample Dup	117	126
MB 880-84594/1-A	Method Blank	214 S1+	266 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-84633/5-A

Matrix: Solid

Analysis Batch: 84659

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84633

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/29/24 13:54	07/01/24 11:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/29/24 13:54	07/01/24 11:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/29/24 13:54	07/01/24 11:49	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/29/24 13:54	07/01/24 11:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/29/24 13:54	07/01/24 11:49	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/29/24 13:54	07/01/24 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	06/29/24 13:54	07/01/24 11:49	1
1,4-Difluorobenzene (Surr)	85		70 - 130	06/29/24 13:54	07/01/24 11:49	1

Lab Sample ID: LCS 880-84633/1-A

Matrix: Solid

Analysis Batch: 84659

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84633

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1004		mg/Kg		100	70 - 130
Toluene	0.100	0.09552		mg/Kg		96	70 - 130
Ethylbenzene	0.100	0.09292		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.2021		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1007		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-84633/2-A

Matrix: Solid

Analysis Batch: 84659

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84633

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1005		mg/Kg		101	70 - 130	0	35
Toluene	0.100	0.09527		mg/Kg		95	70 - 130	0	35
Ethylbenzene	0.100	0.09254		mg/Kg		93	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2016		mg/Kg		101	70 - 130	0	35
o-Xylene	0.100	0.1008		mg/Kg		101	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: MB 880-84827/5-A

Matrix: Solid

Analysis Batch: 84806

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/02/24 11:42	07/02/24 12:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/02/24 11:42	07/02/24 12:57	1

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-84827/5-A

Matrix: Solid

Analysis Batch: 84806

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/02/24 11:42	07/02/24 12:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/02/24 11:42	07/02/24 12:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/02/24 11:42	07/02/24 12:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/02/24 11:42	07/02/24 12:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	221	S1+	70 - 130	07/02/24 11:42	07/02/24 12:57	1
1,4-Difluorobenzene (Surr)	145	S1+	70 - 130	07/02/24 11:42	07/02/24 12:57	1

Lab Sample ID: LCS 880-84827/1-A

Matrix: Solid

Analysis Batch: 84806

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1021		mg/Kg		102	70 - 130
Toluene	0.100	0.08479		mg/Kg		85	70 - 130
Ethylbenzene	0.100	0.09345		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.2009		mg/Kg		100	70 - 130
o-Xylene	0.100	0.1056		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-84827/2-A

Matrix: Solid

Analysis Batch: 84806

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84827

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1020		mg/Kg		102	70 - 130	0	35
Toluene	0.100	0.08125		mg/Kg		81	70 - 130	4	35
Ethylbenzene	0.100	0.08587		mg/Kg		86	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1776		mg/Kg		89	70 - 130	12	35
o-Xylene	0.100	0.09266		mg/Kg		93	70 - 130	13	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-84960/5-A

Matrix: Solid

Analysis Batch: 84939

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84960

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/24 10:47	07/03/24 12:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/24 10:47	07/03/24 12:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/24 10:47	07/03/24 12:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/03/24 10:47	07/03/24 12:42	1

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-84960/5-A

Matrix: Solid

Analysis Batch: 84939

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84960

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/24 10:47	07/03/24 12:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/03/24 10:47	07/03/24 12:42	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	106		70 - 130				07/03/24 10:47	07/03/24 12:42	1
1,4-Difluorobenzene (Surr)	86		70 - 130				07/03/24 10:47	07/03/24 12:42	1

Lab Sample ID: MB 880-84986/5-A

Matrix: Solid

Analysis Batch: 84939

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84986

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		07/03/24 16:13	07/03/24 23:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/03/24 16:13	07/03/24 23:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/03/24 16:13	07/03/24 23:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/03/24 16:13	07/03/24 23:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/03/24 16:13	07/03/24 23:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/03/24 16:13	07/03/24 23:40	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	110		70 - 130				07/03/24 16:13	07/03/24 23:40	1
1,4-Difluorobenzene (Surr)	87		70 - 130				07/03/24 16:13	07/03/24 23:40	1

Lab Sample ID: LCS 880-84986/1-A

Matrix: Solid

Analysis Batch: 84939

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1041		mg/Kg		104	70 - 130		
Toluene	0.100	0.09563		mg/Kg		96	70 - 130		
Ethylbenzene	0.100	0.09079		mg/Kg		91	70 - 130		
m-Xylene & p-Xylene	0.200	0.2008		mg/Kg		100	70 - 130		
o-Xylene	0.100	0.1013		mg/Kg		101	70 - 130		
Surrogate	LCS	LCS	Limits						
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	94		70 - 130						

Lab Sample ID: LCSD 880-84986/2-A

Matrix: Solid

Analysis Batch: 84939

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84986

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1065		mg/Kg		106	70 - 130	2	35
Toluene	0.100	0.09845		mg/Kg		98	70 - 130	3	35
Ethylbenzene	0.100	0.09371		mg/Kg		94	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2082		mg/Kg		104	70 - 130	4	35
o-Xylene	0.100	0.1046		mg/Kg		105	70 - 130	3	35

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

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

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-84594/1-A

Matrix: Solid

Analysis Batch: 84647

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84594

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/28/24 16:24	07/01/24 08:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/28/24 16:24	07/01/24 08:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/24 16:24	07/01/24 08:34	1
Surrogate	MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	214	S1+	70 - 130				06/28/24 16:24	07/01/24 08:34	1
o-Terphenyl	266	S1+	70 - 130				06/28/24 16:24	07/01/24 08:34	1

Lab Sample ID: LCS 880-84594/2-A

Matrix: Solid

Analysis Batch: 84647

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84594

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1035		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1224		mg/Kg		122	70 - 130
Surrogate	LCS		Limits				
	%Recovery	Qualifier					
1-Chlorooctane	144	S1+	70 - 130				
o-Terphenyl	157	S1+	70 - 130				

Lab Sample ID: LCSD 880-84594/3-A

Matrix: Solid

Analysis Batch: 84647

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84594

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	900.7		mg/Kg		90	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	1040		mg/Kg		104	70 - 130	16	20
Surrogate	LCSD		Limits						
	%Recovery	Qualifier							
1-Chlorooctane	117		70 - 130						
o-Terphenyl	126		70 - 130						

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QC Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-84755/1-A

Matrix: Solid

Analysis Batch: 84891

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/04/24 05:02	1

Lab Sample ID: LCS 880-84755/2-A

Matrix: Solid

Analysis Batch: 84891

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.5		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-84755/3-A

Matrix: Solid

Analysis Batch: 84891

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	258.0		mg/Kg		103	90 - 110	2	20

Lab Sample ID: 880-45425-1 MS

Matrix: Solid

Analysis Batch: 84891

Client Sample ID: S-3 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.6		253	295.5		mg/Kg		97	90 - 110

Lab Sample ID: 880-45425-1 MSD

Matrix: Solid

Analysis Batch: 84891

Client Sample ID: S-3 (1')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	50.6		253	295.3		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

GC VOA

Prep Batch: 84633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45425-1	S-3 (1')	Total/NA	Solid	5035	
880-45425-3	S-5 (4.1')	Total/NA	Solid	5035	
880-45425-4	S-6 (0-1')	Total/NA	Solid	5035	
880-45425-5	S-7 (0-1')	Total/NA	Solid	5035	
880-45425-6	S-8 (0-4')	Total/NA	Solid	5035	
880-45425-7	S-9 (0-4')	Total/NA	Solid	5035	
MB 880-84633/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84633/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84633/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 84659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45425-1	S-3 (1')	Total/NA	Solid	8021B	84633
880-45425-3	S-5 (4.1')	Total/NA	Solid	8021B	84633
880-45425-4	S-6 (0-1')	Total/NA	Solid	8021B	84633
880-45425-5	S-7 (0-1')	Total/NA	Solid	8021B	84633
880-45425-6	S-8 (0-4')	Total/NA	Solid	8021B	84633
880-45425-7	S-9 (0-4')	Total/NA	Solid	8021B	84633
MB 880-84633/5-A	Method Blank	Total/NA	Solid	8021B	84633
LCS 880-84633/1-A	Lab Control Sample	Total/NA	Solid	8021B	84633
LCSD 880-84633/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84633

Analysis Batch: 84806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45425-2	S-4 (1')	Total/NA	Solid	8021B	84827
MB 880-84827/5-A	Method Blank	Total/NA	Solid	8021B	84827
LCS 880-84827/1-A	Lab Control Sample	Total/NA	Solid	8021B	84827
LCSD 880-84827/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84827

Analysis Batch: 84821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45425-1	S-3 (1')	Total/NA	Solid	Total BTEX	
880-45425-2	S-4 (1')	Total/NA	Solid	Total BTEX	
880-45425-3	S-5 (4.1')	Total/NA	Solid	Total BTEX	
880-45425-4	S-6 (0-1')	Total/NA	Solid	Total BTEX	
880-45425-5	S-7 (0-1')	Total/NA	Solid	Total BTEX	
880-45425-6	S-8 (0-4')	Total/NA	Solid	Total BTEX	
880-45425-7	S-9 (0-4')	Total/NA	Solid	Total BTEX	

Prep Batch: 84827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45425-2	S-4 (1')	Total/NA	Solid	5035	
MB 880-84827/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84827/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84827/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 84939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45425-1	S-3 (1')	Total/NA	Solid	8021B	84986
MB 880-84960/5-A	Method Blank	Total/NA	Solid	8021B	84960
MB 880-84986/5-A	Method Blank	Total/NA	Solid	8021B	84986

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QC Association Summary

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

GC VOA (Continued)

Analysis Batch: 84939 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-84986/1-A	Lab Control Sample	Total/NA	Solid	8021B	84986
LCSD 880-84986/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84986

Prep Batch: 84960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-84960/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 84986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45425-1	S-3 (1')	Total/NA	Solid	5035	
MB 880-84986/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84986/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84986/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 84594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45425-1	S-3 (1')	Total/NA	Solid	8015NM Prep	
880-45425-2	S-4 (1')	Total/NA	Solid	8015NM Prep	
880-45425-3	S-5 (4.1')	Total/NA	Solid	8015NM Prep	
880-45425-4	S-6 (0-1')	Total/NA	Solid	8015NM Prep	
880-45425-5	S-7 (0-1')	Total/NA	Solid	8015NM Prep	
880-45425-6	S-8 (0-4')	Total/NA	Solid	8015NM Prep	
880-45425-7	S-9 (0-4')	Total/NA	Solid	8015NM Prep	
MB 880-84594/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84594/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84594/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 84647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45425-1	S-3 (1')	Total/NA	Solid	8015B NM	84594
880-45425-2	S-4 (1')	Total/NA	Solid	8015B NM	84594
880-45425-3	S-5 (4.1')	Total/NA	Solid	8015B NM	84594
880-45425-4	S-6 (0-1')	Total/NA	Solid	8015B NM	84594
880-45425-5	S-7 (0-1')	Total/NA	Solid	8015B NM	84594
880-45425-6	S-8 (0-4')	Total/NA	Solid	8015B NM	84594
880-45425-7	S-9 (0-4')	Total/NA	Solid	8015B NM	84594
MB 880-84594/1-A	Method Blank	Total/NA	Solid	8015B NM	84594
LCS 880-84594/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84594
LCSD 880-84594/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84594

Analysis Batch: 84857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45425-1	S-3 (1')	Total/NA	Solid	8015 NM	
880-45425-2	S-4 (1')	Total/NA	Solid	8015 NM	
880-45425-3	S-5 (4.1')	Total/NA	Solid	8015 NM	
880-45425-4	S-6 (0-1')	Total/NA	Solid	8015 NM	
880-45425-5	S-7 (0-1')	Total/NA	Solid	8015 NM	
880-45425-6	S-8 (0-4')	Total/NA	Solid	8015 NM	
880-45425-7	S-9 (0-4')	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

HPLC/IC

Leach Batch: 84755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45425-1	S-3 (1')	Soluble	Solid	DI Leach	
880-45425-2	S-4 (1')	Soluble	Solid	DI Leach	
880-45425-3	S-5 (4.1')	Soluble	Solid	DI Leach	
880-45425-4	S-6 (0-1')	Soluble	Solid	DI Leach	
880-45425-5	S-7 (0-1')	Soluble	Solid	DI Leach	
880-45425-6	S-8 (0-4')	Soluble	Solid	DI Leach	
880-45425-7	S-9 (0-4')	Soluble	Solid	DI Leach	
MB 880-84755/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-84755/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-84755/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45425-1 MS	S-3 (1')	Soluble	Solid	DI Leach	
880-45425-1 MSD	S-3 (1')	Soluble	Solid	DI Leach	

Analysis Batch: 84891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45425-1	S-3 (1')	Soluble	Solid	300.0	84755
880-45425-2	S-4 (1')	Soluble	Solid	300.0	84755
880-45425-3	S-5 (4.1')	Soluble	Solid	300.0	84755
880-45425-4	S-6 (0-1')	Soluble	Solid	300.0	84755
880-45425-5	S-7 (0-1')	Soluble	Solid	300.0	84755
880-45425-6	S-8 (0-4')	Soluble	Solid	300.0	84755
880-45425-7	S-9 (0-4')	Soluble	Solid	300.0	84755
MB 880-84755/1-A	Method Blank	Soluble	Solid	300.0	84755
LCS 880-84755/2-A	Lab Control Sample	Soluble	Solid	300.0	84755
LCSD 880-84755/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	84755
880-45425-1 MS	S-3 (1')	Soluble	Solid	300.0	84755
880-45425-1 MSD	S-3 (1')	Soluble	Solid	300.0	84755

Lab Chronicle

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

Client Sample ID: S-3 (1')
Date Collected: 06/26/24 13:40
Date Received: 06/28/24 15:23

Lab Sample ID: 880-45425-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84633	07/01/24 09:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84659	07/01/24 17:10	MNR	EET MID
Total/NA	Prep	5035			5.02 g	5 mL	84986	07/03/24 16:13	AA	EET MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	84939	07/04/24 02:04	EL	EET MID
Total/NA	Analysis	Total BTEX		1			84821	07/04/24 02:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			84857	07/01/24 18:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84594	06/28/24 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84647	07/01/24 18:02	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	84755	07/01/24 15:22	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84891	07/04/24 05:23	CH	EET MID

Client Sample ID: S-4 (1')
Date Collected: 06/26/24 13:45
Date Received: 06/28/24 15:23

Lab Sample ID: 880-45425-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	84827	07/02/24 11:42	EL	EET MID
Total/NA	Analysis	8021B		25	5 mL	5 mL	84806	07/02/24 20:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			84821	07/02/24 20:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			84857	07/01/24 18:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84594	06/28/24 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84647	07/01/24 18:21	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	84755	07/01/24 15:22	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84891	07/04/24 05:45	CH	EET MID

Client Sample ID: S-5 (4.1')
Date Collected: 06/26/24 13:50
Date Received: 06/28/24 15:23

Lab Sample ID: 880-45425-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	84633	07/01/24 09:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84659	07/01/24 17:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84821	07/01/24 17:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			84857	07/01/24 18:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84594	06/28/24 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84647	07/01/24 18:41	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	84755	07/01/24 15:22	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84891	07/04/24 05:52	CH	EET MID

Lab Chronicle

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

Client Sample ID: S-6 (0-1')

Lab Sample ID: 880-45425-4

Date Collected: 06/26/24 13:55

Matrix: Solid

Date Received: 06/28/24 15:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	84633	07/01/24 09:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84659	07/01/24 18:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84821	07/01/24 18:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			84857	07/01/24 19:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84594	06/28/24 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84647	07/01/24 19:00	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	84755	07/01/24 15:22	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84891	07/04/24 05:59	CH	EET MID

Client Sample ID: S-7 (0-1')

Lab Sample ID: 880-45425-5

Date Collected: 06/26/24 14:00

Matrix: Solid

Date Received: 06/28/24 15:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	84633	07/01/24 09:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84659	07/01/24 18:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84821	07/01/24 18:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			84857	07/01/24 17:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	84594	06/28/24 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84647	07/01/24 17:03	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	84755	07/01/24 15:22	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84891	07/04/24 06:06	CH	EET MID

Client Sample ID: S-8 (0-4')

Lab Sample ID: 880-45425-6

Date Collected: 06/26/24 14:05

Matrix: Solid

Date Received: 06/28/24 15:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	84633	07/01/24 09:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84659	07/01/24 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84821	07/01/24 18:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			84857	07/01/24 17:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84594	06/28/24 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84647	07/01/24 17:23	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	84755	07/01/24 15:22	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84891	07/04/24 06:28	CH	EET MID

Client Sample ID: S-9 (0-4')

Lab Sample ID: 880-45425-7

Date Collected: 06/26/24 14:10

Matrix: Solid

Date Received: 06/28/24 15:23

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	84633	07/01/24 09:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84659	07/01/24 19:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			84821	07/01/24 19:12	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

Client Sample ID: S-9 (0-4')
Date Collected: 06/26/24 14:10
Date Received: 06/28/24 15:23

Lab Sample ID: 880-45425-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			84857	07/01/24 17:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84594	06/28/24 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84647	07/01/24 17:42	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	84755	07/01/24 15:22	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84891	07/04/24 06:35	CH	EET MID

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

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Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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Method Summary

Client: Crain Environmental
Project/Site: Anderson Ranch Unit TB

Job ID: 880-45425-1
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: Anderson Ranch Unit TB

Job ID: 880-45425-1
SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-45425-1	S-3 (1')	Solid	06/26/24 13:40	06/28/24 15:23	1'
880-45425-2	S-4 (1')	Solid	06/26/24 13:45	06/28/24 15:23	1'
880-45425-3	S-5 (4.1')	Solid	06/26/24 13:50	06/28/24 15:23	4.1'
880-45425-4	S-6 (0-1')	Solid	06/26/24 13:55	06/28/24 15:23	0-1'
880-45425-5	S-7 (0-1')	Solid	06/26/24 14:00	06/28/24 15:23	0-1'
880-45425-6	S-8 (0-4')	Solid	06/26/24 14:05	06/28/24 15:23	0-4'
880-45425-7	S-9 (0-4')	Solid	06/26/24 14:10	06/28/24 15:23	0-4'

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Environment Testing
Xenco

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) 986-3199

Chain of Custody

Work Order



880-45425 Chain of Custody

www.xenco.com Page 1 of 1

Project Manager:	Cindy Crain	Bill to: (if different)	Chris Gaddy
Company Name:	Crain Environmental	Company Name:	Detone Energy
Address:	2985 E. 17th St.	Address:	310 W. Wall, Ste. 300
City, State ZIP:	Abilene, TX 79701	City, State ZIP:	Midland, TX 79701
Phone:	(575) 441-7244	Email:	Cindy.Crain@gmail.com

Program:	UST/PST	PRP	Brownfields	RRC	Superfund
State of Project:	NH				
Reporting:	Level II	Level III	PST/UST	TRRP	Level IV
Deliverables:	EDD	ADAPT	Other:		

Project Name:	Anderson Beach Unit TB	Turn Around	Pres. Code	ANALYSIS REQUEST																Preservative Codes				
Project Number:		☒ Routine ☐ Rush																		None: NO	DI Water: H ₂ O			
Project Location:	Lpa Co, NH	Due Date:																		Cool: Cool	MeOH: Me			
Sampler's Name:	Cindy Crain	TAT starts the day received by the lab, if received by 4:30pm																		HCL: HC	HNO ₃ : HN			
P.O. #:																				H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No																	H ₂ PO ₄ : HP	
Samples Received Intact:	Yes	No	Thermometer ID:																	NaHSO ₄ : NABIS				
Cooler Custody Seals:	Yes	No	Correction Factor:																	Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:	Yes	No	Temperature Reading:																	Zn Acetate+NaOH: Zn				
Total Containers:			Corrected Temperature:																	NaOH+Ascorbic Acid: SAPC				
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont																	Sample Comments	
S-3 (1')	S	6/24/24	1340	1'	C	1	TPH 8015M																	
S-4 (1')			1345	1'			BTEX																	
S-5 (4.1')			1350	4.1'			Chlorides																	
S-6 (0-1')			1355	0-1'																				
S-7 (0-1')			1400	0-1'																				
S-8 (0-4')			1405	0-4'																				
S-9 (0-4')			1410	0-4'																				

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Cindy Crain	Chris Gaddy	6/24/24			
		6/24/24			
		6/24/24			
		6/24/24			

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-45425-1

SDG Number: Lea Co. NM

Login Number: 45425

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/15/2024 10:48:58 AM

JOB DESCRIPTION

Anderson Ranch TB
Lea Co. NM

JOB NUMBER

880-47069-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



Eurofins Midland

Job Notes

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

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

Authorization



Generated
8/15/2024 10:48:58 AM

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

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Laboratory Job ID: 880-47069-1
SDG: Lea Co. NM

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Definitions/Glossary

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier 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

Case Narrative

Client: Crain Environmental
Project: Anderson Ranch TB

Job ID: 880-47069-1

Job ID: 880-47069-1

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Job Narrative 880-47069-1

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 8/8/2024 3:57 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-3 (4.2') (880-47069-1), S-4 (4.2') (880-47069-2), S-6 (0-4') (880-47069-3), S-7 (0-4') (880-47069-4), S-8 (0-4') (880-47069-5) and S-9 (0-4') (880-47069-6).

GC VOA

Method 8021B: The laboratory control sample (LCS) for preparation batch 880-88420 and analytical batch 880-88351 recovered outside control limits for the following analytes: Benzene. Since only an acceptable LCS or LCSD is required per the method, the LCSD shows recovery for the batch therefore the data has been qualified and reported.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-88351 recovered above the upper control limit for Ethylbenzene. An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported.

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-87955 and analytical batch 880-88015 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-87955/2-A) and (880-46967-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-3 (4.2') (880-47069-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-87955 and analytical batch 880-88015 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction and 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.

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Client Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

Client Sample ID: S-3 (4.2')

Lab Sample ID: 880-47069-1

Date Collected: 08/07/24 13:10

Matrix: Solid

Date Received: 08/08/24 15:57

Sample Depth: 4.2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	2550		49.7		mg/Kg			08/11/24 01:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/09/24 07:59	08/11/24 01:51	1
Diesel Range Organics (Over C10-C28)	2550		49.7		mg/Kg		08/09/24 07:59	08/11/24 01:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/09/24 07:59	08/11/24 01:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	163	S1+	70 - 130				08/09/24 07:59	08/11/24 01:51	1
o-Terphenyl	232	S1+	70 - 130				08/09/24 07:59	08/11/24 01:51	1

Client Sample ID: S-4 (4.2')

Lab Sample ID: 880-47069-2

Date Collected: 08/07/24 13:15

Matrix: Solid

Date Received: 08/08/24 15:57

Sample Depth: 4.2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.7		49.7		mg/Kg			08/11/24 02:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		08/09/24 07:59	08/11/24 02:06	1
Diesel Range Organics (Over C10-C28)	71.7		49.7		mg/Kg		08/09/24 07:59	08/11/24 02:06	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		08/09/24 07:59	08/11/24 02:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				08/09/24 07:59	08/11/24 02:06	1
o-Terphenyl	109		70 - 130				08/09/24 07:59	08/11/24 02:06	1

Client Sample ID: S-6 (0-4')

Lab Sample ID: 880-47069-3

Date Collected: 08/07/24 13:20

Matrix: Solid

Date Received: 08/08/24 15:57

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/13/24 12:24	08/14/24 05:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/13/24 12:24	08/14/24 05:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/13/24 12:24	08/14/24 05:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/13/24 12:24	08/14/24 05:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/13/24 12:24	08/14/24 05:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/13/24 12:24	08/14/24 05:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/13/24 12:24	08/14/24 05:11	1
1,4-Difluorobenzene (Surr)	96		70 - 130				08/13/24 12:24	08/14/24 05:11	1

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Client Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

Client Sample ID: S-6 (0-4')

Lab Sample ID: 880-47069-3

Date Collected: 08/07/24 13:20

Matrix: Solid

Date Received: 08/08/24 15:57

Sample Depth: 0-4'

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			08/14/24 05:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			08/11/24 02:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/09/24 07:59	08/11/24 02:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/09/24 07:59	08/11/24 02:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/09/24 07:59	08/11/24 02:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				08/09/24 07:59	08/11/24 02:35	1
o-Terphenyl	96		70 - 130				08/09/24 07:59	08/11/24 02:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.5		4.95		mg/Kg			08/11/24 07:42	1

Client Sample ID: S-7 (0-4')

Lab Sample ID: 880-47069-4

Date Collected: 08/07/24 13:25

Matrix: Solid

Date Received: 08/08/24 15:57

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		08/14/24 13:23	08/15/24 02:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/14/24 13:23	08/15/24 02:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/14/24 13:23	08/15/24 02:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/14/24 13:23	08/15/24 02:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/14/24 13:23	08/15/24 02:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/14/24 13:23	08/15/24 02:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				08/14/24 13:23	08/15/24 02:13	1
1,4-Difluorobenzene (Surr)	78		70 - 130				08/14/24 13:23	08/15/24 02:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/15/24 02:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	371		49.9		mg/Kg			08/11/24 02:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/09/24 07:59	08/11/24 02:50	1

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Client Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

Client Sample ID: S-7 (0-4')

Lab Sample ID: 880-47069-4

Date Collected: 08/07/24 13:25

Matrix: Solid

Date Received: 08/08/24 15:57

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	371		49.9		mg/Kg		08/09/24 07:59	08/11/24 02:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/09/24 07:59	08/11/24 02:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				08/09/24 07:59	08/11/24 02:50	1
o-Terphenyl	96		70 - 130				08/09/24 07:59	08/11/24 02:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	106		5.02		mg/Kg			08/11/24 07:48	1

Client Sample ID: S-8 (0-4')

Lab Sample ID: 880-47069-5

Date Collected: 08/07/24 13:30

Matrix: Solid

Date Received: 08/08/24 15:57

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U **	0.00200		mg/Kg		08/14/24 13:23	08/15/24 02:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/24 13:23	08/15/24 02:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/24 13:23	08/15/24 02:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		08/14/24 13:23	08/15/24 02:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/24 13:23	08/15/24 02:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		08/14/24 13:23	08/15/24 02:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				08/14/24 13:23	08/15/24 02:34	1
1,4-Difluorobenzene (Surr)	78		70 - 130				08/14/24 13:23	08/15/24 02:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			08/15/24 02:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	182		49.8		mg/Kg			08/11/24 03:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/09/24 07:59	08/11/24 03:04	1
Diesel Range Organics (Over C10-C28)	182		49.8		mg/Kg		08/09/24 07:59	08/11/24 03:04	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/09/24 07:59	08/11/24 03:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				08/09/24 07:59	08/11/24 03:04	1
o-Terphenyl	84		70 - 130				08/09/24 07:59	08/11/24 03:04	1

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Client Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

Client Sample ID: S-8 (0-4')

Lab Sample ID: 880-47069-5

Date Collected: 08/07/24 13:30

Matrix: Solid

Date Received: 08/08/24 15:57

Sample Depth: 0-4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	334		5.00		mg/Kg			08/11/24 07:54	1

Client Sample ID: S-9 (0-4')

Lab Sample ID: 880-47069-6

Date Collected: 08/07/24 13:35

Matrix: Solid

Date Received: 08/08/24 15:57

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U **	0.00199		mg/Kg		08/14/24 13:23	08/15/24 02:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		08/14/24 13:23	08/15/24 02:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		08/14/24 13:23	08/15/24 02:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		08/14/24 13:23	08/15/24 02:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		08/14/24 13:23	08/15/24 02:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		08/14/24 13:23	08/15/24 02:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				08/14/24 13:23	08/15/24 02:54	1
1,4-Difluorobenzene (Surr)	80		70 - 130				08/14/24 13:23	08/15/24 02:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			08/15/24 02:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	576		49.9		mg/Kg			08/11/24 03:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/09/24 07:59	08/11/24 03:19	1
Diesel Range Organics (Over C10-C28)	576		49.9		mg/Kg		08/09/24 07:59	08/11/24 03:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/09/24 07:59	08/11/24 03:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				08/09/24 07:59	08/11/24 03:19	1
o-Terphenyl	99		70 - 130				08/09/24 07:59	08/11/24 03:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.7		25.2		mg/Kg			08/11/24 08:00	5

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Surrogate Summary

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-47069-3	S-6 (0-4')	108	96
880-47069-4	S-7 (0-4')	93	78
880-47069-5	S-8 (0-4')	100	78
880-47069-6	S-9 (0-4')	87	80
LCS 880-88309/1-A	Lab Control Sample	105	101
LCS 880-88420/1-A	Lab Control Sample	102	111
LCSD 880-88309/2-A	Lab Control Sample Dup	103	99
LCSD 880-88420/2-A	Lab Control Sample Dup	110	109
MB 880-87925/5-A	Method Blank	108	91
MB 880-88309/5-A	Method Blank	106	94
MB 880-88366/5-A	Method Blank	73	103
MB 880-88420/5-A	Method Blank	76	102
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-47069-1	S-3 (4.2')	163 S1+	232 S1+
880-47069-2	S-4 (4.2')	96	109
880-47069-3	S-6 (0-4')	82	96
880-47069-4	S-7 (0-4')	74	96
880-47069-5	S-8 (0-4')	71	84
880-47069-6	S-9 (0-4')	82	99
LCS 880-87955/2-A	Lab Control Sample	130	131 S1+
LCSD 880-87955/3-A	Lab Control Sample Dup	108	107
MB 880-87955/1-A	Method Blank	161 S1+	186 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-87925/5-A

Matrix: Solid

Analysis Batch: 88255

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87925

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:29	08/13/24 11:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:29	08/13/24 11:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:29	08/13/24 11:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/24 14:29	08/13/24 11:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/24 14:29	08/13/24 11:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/24 14:29	08/13/24 11:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/08/24 14:29	08/13/24 11:32	1
1,4-Difluorobenzene (Surr)	91		70 - 130	08/08/24 14:29	08/13/24 11:32	1

Lab Sample ID: MB 880-88309/5-A

Matrix: Solid

Analysis Batch: 88255

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88309

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/13/24 12:24	08/13/24 22:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/13/24 12:24	08/13/24 22:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/13/24 12:24	08/13/24 22:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/13/24 12:24	08/13/24 22:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/13/24 12:24	08/13/24 22:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/13/24 12:24	08/13/24 22:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	08/13/24 12:24	08/13/24 22:11	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/13/24 12:24	08/13/24 22:11	1

Lab Sample ID: LCS 880-88309/1-A

Matrix: Solid

Analysis Batch: 88255

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88309

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1192		mg/Kg		119	70 - 130
Toluene	0.100	0.1061		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1083		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2306		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1144		mg/Kg		114	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-88309/2-A

Matrix: Solid

Analysis Batch: 88255

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 88309

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1181		mg/Kg		118	70 - 130	1	35

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

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

Lab Sample ID: LCSD 880-88309/2-A

Matrix: Solid

Analysis Batch: 88255

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 88309

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.1051		mg/Kg		105	70 - 130	1		35
Ethylbenzene	0.100	0.1076		mg/Kg		108	70 - 130	1		35
m-Xylene & p-Xylene	0.200	0.2288		mg/Kg		114	70 - 130	1		35
o-Xylene	0.100	0.1131		mg/Kg		113	70 - 130	1		35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-88366/5-A

Matrix: Solid

Analysis Batch: 88351

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88366

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/14/24 09:22	08/14/24 13:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/24 09:22	08/14/24 13:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/24 09:22	08/14/24 13:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		08/14/24 09:22	08/14/24 13:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/24 09:22	08/14/24 13:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		08/14/24 09:22	08/14/24 13:04	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	73		70 - 130	08/14/24 09:22	08/14/24 13:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130	08/14/24 09:22	08/14/24 13:04	1

Lab Sample ID: MB 880-88420/5-A

Matrix: Solid

Analysis Batch: 88351

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88420

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		08/14/24 13:23	08/14/24 23:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/14/24 13:23	08/14/24 23:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/14/24 13:23	08/14/24 23:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/14/24 13:23	08/14/24 23:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/14/24 13:23	08/14/24 23:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/14/24 13:23	08/14/24 23:48	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	76		70 - 130	08/14/24 13:23	08/14/24 23:48	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/14/24 13:23	08/14/24 23:48	1

Lab Sample ID: LCS 880-88420/1-A

Matrix: Solid

Analysis Batch: 88351

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88420

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Benzene	0.100	0.1327	*+	mg/Kg		133	70 - 130	
Toluene	0.100	0.1147		mg/Kg		115	70 - 130	

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

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

Lab Sample ID: LCS 880-88420/1-A

Matrix: Solid

Analysis Batch: 88351

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88420

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.100	0.1159		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	0.200	0.2178		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1258		mg/Kg		126	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-88420/2-A

Matrix: Solid

Analysis Batch: 88351

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 88420

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Benzene	0.100	0.1256		mg/Kg		126	70 - 130	6	35
Toluene	0.100	0.1148		mg/Kg		115	70 - 130	0	35
Ethylbenzene	0.100	0.1248		mg/Kg		125	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2467		mg/Kg		123	70 - 130	12	35
o-Xylene	0.100	0.1226		mg/Kg		123	70 - 130	3	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

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

Lab Sample ID: MB 880-87955/1-A

Matrix: Solid

Analysis Batch: 88015

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 87955

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/09/24 07:59	08/10/24 17:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/09/24 07:59	08/10/24 17:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/09/24 07:59	08/10/24 17:24	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	161	S1+	70 - 130	08/09/24 07:59	08/10/24 17:24	1
o-Terphenyl	186	S1+	70 - 130	08/09/24 07:59	08/10/24 17:24	1

Lab Sample ID: LCS 880-87955/2-A

Matrix: Solid

Analysis Batch: 88015

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1067		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1223		mg/Kg		122	70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

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

Lab Sample ID: LCS 880-87955/2-A

Matrix: Solid

Analysis Batch: 88015

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 87955

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	130		70 - 130
o-Terphenyl	131	S1+	70 - 130

Lab Sample ID: LCSD 880-87955/3-A

Matrix: Solid

Analysis Batch: 88015

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 87955

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	912.5		mg/Kg		91	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	1000	1022		mg/Kg		102	70 - 130	18	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	107		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-87967/1-A

Matrix: Solid

Analysis Batch: 87979

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/11/24 04:59	1

Lab Sample ID: LCS 880-87967/2-A

Matrix: Solid

Analysis Batch: 87979

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	263.5		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-87967/3-A

Matrix: Solid

Analysis Batch: 87979

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	263.8		mg/Kg		106	90 - 110	0	20

QC Association Summary

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

GC VOA

Prep Batch: 87925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-87925/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 88255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47069-3	S-6 (0-4')	Total/NA	Solid	8021B	88309
MB 880-87925/5-A	Method Blank	Total/NA	Solid	8021B	87925
MB 880-88309/5-A	Method Blank	Total/NA	Solid	8021B	88309
LCS 880-88309/1-A	Lab Control Sample	Total/NA	Solid	8021B	88309
LCSD 880-88309/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	88309

Prep Batch: 88309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47069-3	S-6 (0-4')	Total/NA	Solid	5035	
MB 880-88309/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-88309/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-88309/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 88351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47069-4	S-7 (0-4')	Total/NA	Solid	8021B	88420
880-47069-5	S-8 (0-4')	Total/NA	Solid	8021B	88420
880-47069-6	S-9 (0-4')	Total/NA	Solid	8021B	88420
MB 880-88366/5-A	Method Blank	Total/NA	Solid	8021B	88366
MB 880-88420/5-A	Method Blank	Total/NA	Solid	8021B	88420
LCS 880-88420/1-A	Lab Control Sample	Total/NA	Solid	8021B	88420
LCSD 880-88420/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	88420

Prep Batch: 88366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-88366/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 88420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47069-4	S-7 (0-4')	Total/NA	Solid	5035	
880-47069-5	S-8 (0-4')	Total/NA	Solid	5035	
880-47069-6	S-9 (0-4')	Total/NA	Solid	5035	
MB 880-88420/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-88420/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-88420/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 88426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47069-3	S-6 (0-4')	Total/NA	Solid	Total BTEX	
880-47069-4	S-7 (0-4')	Total/NA	Solid	Total BTEX	
880-47069-5	S-8 (0-4')	Total/NA	Solid	Total BTEX	
880-47069-6	S-9 (0-4')	Total/NA	Solid	Total BTEX	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

GC Semi VOA

Prep Batch: 87955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47069-1	S-3 (4.2')	Total/NA	Solid	8015NM Prep	
880-47069-2	S-4 (4.2')	Total/NA	Solid	8015NM Prep	
880-47069-3	S-6 (0-4')	Total/NA	Solid	8015NM Prep	
880-47069-4	S-7 (0-4')	Total/NA	Solid	8015NM Prep	
880-47069-5	S-8 (0-4')	Total/NA	Solid	8015NM Prep	
880-47069-6	S-9 (0-4')	Total/NA	Solid	8015NM Prep	
MB 880-87955/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-87955/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-87955/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 88015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47069-1	S-3 (4.2')	Total/NA	Solid	8015B NM	87955
880-47069-2	S-4 (4.2')	Total/NA	Solid	8015B NM	87955
880-47069-3	S-6 (0-4')	Total/NA	Solid	8015B NM	87955
880-47069-4	S-7 (0-4')	Total/NA	Solid	8015B NM	87955
880-47069-5	S-8 (0-4')	Total/NA	Solid	8015B NM	87955
880-47069-6	S-9 (0-4')	Total/NA	Solid	8015B NM	87955
MB 880-87955/1-A	Method Blank	Total/NA	Solid	8015B NM	87955
LCS 880-87955/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	87955
LCSD 880-87955/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	87955

Analysis Batch: 88169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47069-1	S-3 (4.2')	Total/NA	Solid	8015 NM	
880-47069-2	S-4 (4.2')	Total/NA	Solid	8015 NM	
880-47069-3	S-6 (0-4')	Total/NA	Solid	8015 NM	
880-47069-4	S-7 (0-4')	Total/NA	Solid	8015 NM	
880-47069-5	S-8 (0-4')	Total/NA	Solid	8015 NM	
880-47069-6	S-9 (0-4')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 87967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47069-3	S-6 (0-4')	Soluble	Solid	DI Leach	
880-47069-4	S-7 (0-4')	Soluble	Solid	DI Leach	
880-47069-5	S-8 (0-4')	Soluble	Solid	DI Leach	
880-47069-6	S-9 (0-4')	Soluble	Solid	DI Leach	
MB 880-87967/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-87967/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-87967/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 87979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-47069-3	S-6 (0-4')	Soluble	Solid	300.0	87967
880-47069-4	S-7 (0-4')	Soluble	Solid	300.0	87967
880-47069-5	S-8 (0-4')	Soluble	Solid	300.0	87967
880-47069-6	S-9 (0-4')	Soluble	Solid	300.0	87967
MB 880-87967/1-A	Method Blank	Soluble	Solid	300.0	87967
LCS 880-87967/2-A	Lab Control Sample	Soluble	Solid	300.0	87967

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

HPLC/IC (Continued)

Analysis Batch: 87979 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-87967/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	87967

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

Lab Chronicle

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

Client Sample ID: S-3 (4.2')

Lab Sample ID: 880-47069-1

Date Collected: 08/07/24 13:10

Matrix: Solid

Date Received: 08/08/24 15:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			88169	08/11/24 01:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	87955	08/09/24 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88015	08/11/24 01:51	TKC	EET MID

Client Sample ID: S-4 (4.2')

Lab Sample ID: 880-47069-2

Date Collected: 08/07/24 13:15

Matrix: Solid

Date Received: 08/08/24 15:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			88169	08/11/24 02:06	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	87955	08/09/24 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88015	08/11/24 02:06	TKC	EET MID

Client Sample ID: S-6 (0-4')

Lab Sample ID: 880-47069-3

Date Collected: 08/07/24 13:20

Matrix: Solid

Date Received: 08/08/24 15:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	88309	08/13/24 12:24	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88255	08/14/24 05:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			88426	08/14/24 05:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			88169	08/11/24 02:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	87955	08/09/24 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88015	08/11/24 02:35	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	87967	08/09/24 09:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87979	08/11/24 07:42	CH	EET MID

Client Sample ID: S-7 (0-4')

Lab Sample ID: 880-47069-4

Date Collected: 08/07/24 13:25

Matrix: Solid

Date Received: 08/08/24 15:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	88420	08/14/24 13:23	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88351	08/15/24 02:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			88426	08/15/24 02:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			88169	08/11/24 02:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	87955	08/09/24 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88015	08/11/24 02:50	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	87967	08/09/24 09:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87979	08/11/24 07:48	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

Client Sample ID: S-8 (0-4')
Date Collected: 08/07/24 13:30
Date Received: 08/08/24 15:57

Lab Sample ID: 880-47069-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	88420	08/14/24 13:23	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88351	08/15/24 02:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			88426	08/15/24 02:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			88169	08/11/24 03:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	87955	08/09/24 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88015	08/11/24 03:04	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	87967	08/09/24 09:10	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	87979	08/11/24 07:54	CH	EET MID

Client Sample ID: S-9 (0-4')
Date Collected: 08/07/24 13:35
Date Received: 08/08/24 15:57

Lab Sample ID: 880-47069-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	88420	08/14/24 13:23	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	88351	08/15/24 02:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			88426	08/15/24 02:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			88169	08/11/24 03:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	87955	08/09/24 07:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	88015	08/11/24 03:19	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	87967	08/09/24 09:10	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	87979	08/11/24 08:00	CH	EET MID

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

Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Crain Environmental
Project/Site: Anderson Ranch TB

Job ID: 880-47069-1
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: Anderson Ranch TB

Job ID: 880-47069-1
SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-47069-1	S-3 (4.2')	Solid	08/07/24 13:10	08/08/24 15:57	4.2'
880-47069-2	S-4 (4.2')	Solid	08/07/24 13:15	08/08/24 15:57	4.2'
880-47069-3	S-6 (0-4')	Solid	08/07/24 13:20	08/08/24 15:57	0-4'
880-47069-4	S-7 (0-4')	Solid	08/07/24 13:25	08/08/24 15:57	0-4'
880-47069-5	S-8 (0-4')	Solid	08/07/24 13:30	08/08/24 15:57	0-4'
880-47069-6	S-9 (0-4')	Solid	08/07/24 13:35	08/08/24 15:57	0-4'

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Environment Testing
Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7350, Carlsbad, NM (575) 988-3199



Work O

880-47069 Chain of Custody

Page 1 of 1
www.xenco.com

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

Project Manager:	<i>Ginny Crain</i>		Bill to: (if different)	<i>Chris Crain</i>
Company Name:	<i>Crain Environmental</i>		Company Name:	<i>Outstate Energy</i>
Address:	<i>2935 E. 17th St.</i>		Address:	<i>310 W. Wall, Ste. 300</i>
City, State ZIP:	<i>Deeress, TX 79761</i>		City, State ZIP:	<i>Midland, TX 79701</i>
Phone:	<i>(575) 441-7244</i>		Email:	<i>craincra@aol.com</i>

Project Name:		Turn Around		ANALYSIS REQUEST												Preservative Codes						
Project Number:		☒ Routine ☐ Rush														None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC						
Project Location:		Due Date:																				
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm																				
PO #:																						
SAMPLE RECEIPT				Temp Blank:		Wet Ice:		Parameters														
Samples Received Intact:		☒ Yes ☐ No		☒ Yes ☐ No		Thermometer ID:		TPH 8015M BTEX Chlorides														
Cooler Custody Seals:		☒ Yes ☐ No		☒ Yes ☐ No		Correction Factor:																
Sample Custody Seals:		☒ Yes ☐ No		☒ Yes ☐ No		Temperature Reading:																
Total Containers:		☒ Yes ☐ No		☒ Yes ☐ No		Corrected Temperature:																
Sample Identification				Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont													
S-3 (4.2')				S	8/7/24	1310	4.2'	C	1													
S-4 (4.2')						1315	4.2'															
S-6 (0.4')						1320	0.4'															
S-7 (0.4')						1325	0.4'															
S-8 (0.4')						1330	0.4'															
S-9 (0.4')				↓	↓	1335	0.4'	↓	↓													

[illegible]

Notice: Signature of this document 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 \$48.00 will be applied to each product and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated in writing.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			8/1/11 1551			
3						

2020 08 06 15:00:00

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-47069-1

SDG Number: Lea Co. NM

Login Number: 47069

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Cindy Crain
Crain Environmental
2925 E. 17th St.
Odessa, Texas 79761
Generated 10/4/2024 2:45:08 PM

JOB DESCRIPTION

ARU TB Injection Pump
Lea Co., NM

JOB NUMBER

880-49111-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
10/4/2024 2:45:08 PM

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

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Laboratory Job ID: 880-49111-1
SDG: Lea Co., NM

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Definitions/Glossary

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Crain Environmental
Project: ARU TB Injection Pump

Job ID: 880-49111-1

Job ID: 880-49111-1

Eurofins Midland

Job Narrative
880-49111-1

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-3 (5') (880-49111-1), S-7 (0-4') (880-49111-2), S-8 (0-4') (880-49111-3), S-9 (0-4') (880-49111-4), S-10 (0-4') (880-49111-5), S-11 (0-4') (880-49111-6), S-12 (0-4') (880-49111-7), S-13 (0-4') (880-49111-8), S-14 (0-4') (880-49111-9), S-15 (0-4') (880-49111-10), S-16 (4.1') (880-49111-11), S-17 (4.1') (880-49111-12), S-18 (4.1') (880-49111-13), S-19 (4.1') (880-49111-14) and S-20 (4.1') (880-49111-15).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-92061 recovered above the upper control limit for Ethylbenzene and m-Xylene & p-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-92061/20).

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-92119 and analytical batch 880-92061 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: The continuing calibration verification (CCV) associated with batch 880-92061 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-92061/51).

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 880-92043 and analytical batch 880-92506 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-92043/2-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-13 (0-4') (880-49111-8). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCSD 880-92044/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-92044 and analytical batch 880-92508 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

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

Eurofins Midland

Case Narrative

Client: Crain Environmental
Project: ARU TB Injection Pump

Job ID: 880-49111-1

Job ID: 880-49111-1 (Continued)

Eurofins Midland

HPLC/IC

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

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Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Client Sample ID: S-3 (5')

Lab Sample ID: 880-49111-1

Date Collected: 09/25/24 15:00

Matrix: Solid

Date Received: 09/27/24 13:45

Sample Depth: 5'

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 11:13	09/30/24 22:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	09/30/24 22:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	09/30/24 22:51	1
m-Xylene & p-Xylene	<0.00402	U F1	0.00402		mg/Kg		09/30/24 11:13	09/30/24 22:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	09/30/24 22:51	1
Xylenes, Total	<0.00402	U F1	0.00402		mg/Kg		09/30/24 11:13	09/30/24 22:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	09/30/24 11:13	09/30/24 22:51	1
1,4-Difluorobenzene (Surr)	90		70 - 130	09/30/24 11:13	09/30/24 22:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/30/24 22:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			10/03/24 19:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/29/24 20:37	10/03/24 19:41	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		09/29/24 20:37	10/03/24 19:41	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/29/24 20:37	10/03/24 19:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	09/29/24 20:37	10/03/24 19:41	1
o-Terphenyl	88		70 - 130	09/29/24 20:37	10/03/24 19:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.2		5.04		mg/Kg			10/02/24 08:07	1

Client Sample ID: S-7 (0-4')

Lab Sample ID: 880-49111-2

Date Collected: 09/25/24 15:05

Matrix: Solid

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	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	09/30/24 23:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	09/30/24 23:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	09/30/24 23:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/30/24 11:13	09/30/24 23:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	09/30/24 23:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/30/24 11:13	09/30/24 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	09/30/24 11:13	09/30/24 23:12	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Client Sample ID: S-7 (0-4')

Lab Sample ID: 880-49111-2

Date Collected: 09/25/24 15:05

Matrix: Solid

Date Received: 09/27/24 13:45

Sample Depth: 0-4'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	85		70 - 130	09/30/24 11:13	09/30/24 23:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/30/24 23:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	179		49.7		mg/Kg			10/03/24 19:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/29/24 20:37	10/03/24 19:58	1
Diesel Range Organics (Over C10-C28)	179		49.7		mg/Kg		09/29/24 20:37	10/03/24 19:58	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/29/24 20:37	10/03/24 19:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				09/29/24 20:37	10/03/24 19:58	1
o-Terphenyl	86		70 - 130				09/29/24 20:37	10/03/24 19:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.5		4.98		mg/Kg			10/02/24 08:18	1

Client Sample ID: S-8 (0-4')

Lab Sample ID: 880-49111-3

Date Collected: 09/25/24 15:10

Matrix: Solid

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	<0.00199	U	0.00199		mg/Kg		09/30/24 11:13	09/30/24 23:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/30/24 11:13	09/30/24 23:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/30/24 11:13	09/30/24 23:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/30/24 11:13	09/30/24 23:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/30/24 11:13	09/30/24 23:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/30/24 11:13	09/30/24 23:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	09/30/24 11:13	09/30/24 23:33	1
1,4-Difluorobenzene (Surr)	84		70 - 130	09/30/24 11:13	09/30/24 23:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/30/24 23:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	367		50.0		mg/Kg			10/03/24 20:14	1

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Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Client Sample ID: S-8 (0-4')
Date Collected: 09/25/24 15:10
Date Received: 09/27/24 13:45
Sample Depth: 0-4'

Lab Sample ID: 880-49111-3
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/24 20:37	10/03/24 20:14	1	
Diesel Range Organics (Over C10-C28)	367		50.0		mg/Kg		09/29/24 20:37	10/03/24 20:14	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/24 20:37	10/03/24 20:14	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	97		70 - 130				09/29/24 20:37	10/03/24 20:14	1	
o-Terphenyl	92		70 - 130				09/29/24 20:37	10/03/24 20:14	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	195		4.98		mg/Kg			10/02/24 17:05	1	

Client Sample ID: S-9 (0-4')
Date Collected: 09/25/24 15:15
Date Received: 09/27/24 13:45
Sample Depth: 0-4'

Lab Sample ID: 880-49111-4
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	09/30/24 23:53	1	
Toluene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	09/30/24 23:53	1	
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	09/30/24 23:53	1	
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/30/24 11:13	09/30/24 23:53	1	
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	09/30/24 23:53	1	
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/30/24 11:13	09/30/24 23:53	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	70		70 - 130				09/30/24 11:13	09/30/24 23:53	1	
1,4-Difluorobenzene (Surr)	97		70 - 130				09/30/24 11:13	09/30/24 23:53	1	

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/30/24 23:53	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	665		49.8		mg/Kg			10/03/24 20:31	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/29/24 20:37	10/03/24 20:31	1	
Diesel Range Organics (Over C10-C28)	665		49.8		mg/Kg		09/29/24 20:37	10/03/24 20:31	1	
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/29/24 20:37	10/03/24 20:31	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	84		70 - 130				09/29/24 20:37	10/03/24 20:31	1	
o-Terphenyl	93		70 - 130				09/29/24 20:37	10/03/24 20:31	1	

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Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Client Sample ID: S-9 (0-4')

Lab Sample ID: 880-49111-4

Date Collected: 09/25/24 15:15

Matrix: Solid

Date Received: 09/27/24 13:45

Sample Depth: 0-4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	269		4.98		mg/Kg			10/02/24 17:24	1

Client Sample ID: S-10 (0-4')

Lab Sample ID: 880-49111-5

Date Collected: 09/25/24 15:20

Matrix: Solid

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	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	10/01/24 00:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	10/01/24 00:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	10/01/24 00:14	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/30/24 11:13	10/01/24 00:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	10/01/24 00:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/30/24 11:13	10/01/24 00:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				09/30/24 11:13	10/01/24 00:14	1
1,4-Difluorobenzene (Surr)	80		70 - 130				09/30/24 11:13	10/01/24 00:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/01/24 00:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	386		50.0		mg/Kg			10/03/24 21:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/24 20:37	10/03/24 21:03	1
Diesel Range Organics (Over C10-C28)	386		50.0		mg/Kg		09/29/24 20:37	10/03/24 21:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/24 20:37	10/03/24 21:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				09/29/24 20:37	10/03/24 21:03	1
o-Terphenyl	96		70 - 130				09/29/24 20:37	10/03/24 21:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.0		4.95		mg/Kg			10/02/24 17:31	1

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Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

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

Lab Sample ID: 880-49111-6

Date Collected: 09/25/24 15:25

Matrix: Solid

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	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	10/01/24 00:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	10/01/24 00:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	10/01/24 00:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/30/24 11:13	10/01/24 00:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	10/01/24 00:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/30/24 11:13	10/01/24 00:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				09/30/24 11:13	10/01/24 00:34	1
1,4-Difluorobenzene (Surr)	88		70 - 130				09/30/24 11:13	10/01/24 00:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/01/24 00:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	99.3		49.8		mg/Kg			10/03/24 21:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/29/24 20:37	10/03/24 21:19	1
Diesel Range Organics (Over C10-C28)	99.3		49.8		mg/Kg		09/29/24 20:37	10/03/24 21:19	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/29/24 20:37	10/03/24 21:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				09/29/24 20:37	10/03/24 21:19	1
o-Terphenyl	77		70 - 130				09/29/24 20:37	10/03/24 21:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.1		4.98		mg/Kg			10/02/24 17:37	1

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

Lab Sample ID: 880-49111-7

Date Collected: 09/25/24 15:30

Matrix: Solid

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	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	10/01/24 00:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	10/01/24 00:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	10/01/24 00:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/30/24 11:13	10/01/24 00:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	10/01/24 00:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/30/24 11:13	10/01/24 00:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				09/30/24 11:13	10/01/24 00:55	1

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Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

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

Lab Sample ID: 880-49111-7

Date Collected: 09/25/24 15:30

Matrix: Solid

Date Received: 09/27/24 13:45

Sample Depth: 0-4'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	78		70 - 130	09/30/24 11:13	10/01/24 00:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/01/24 00:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	196		49.9		mg/Kg			10/03/24 21:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/29/24 20:37	10/03/24 21:35	1
Diesel Range Organics (Over C10-C28)	196		49.9		mg/Kg		09/29/24 20:37	10/03/24 21:35	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/24 20:37	10/03/24 21:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				09/29/24 20:37	10/03/24 21:35	1
o-Terphenyl	86		70 - 130				09/29/24 20:37	10/03/24 21:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	259		4.96		mg/Kg			10/02/24 17:43	1

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

Lab Sample ID: 880-49111-8

Date Collected: 09/25/24 15:35

Matrix: Solid

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	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	10/01/24 01:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	10/01/24 01:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	10/01/24 01:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/30/24 11:13	10/01/24 01:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	10/01/24 01:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/30/24 11:13	10/01/24 01:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	09/30/24 11:13	10/01/24 01:15	1
1,4-Difluorobenzene (Surr)	91		70 - 130	09/30/24 11:13	10/01/24 01:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/01/24 01:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	565		49.7		mg/Kg			10/03/24 21:51	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

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

Lab Sample ID: 880-49111-8

Date Collected: 09/25/24 15:35

Matrix: Solid

Date Received: 09/27/24 13:45

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/29/24 20:37	10/03/24 21:51	1
Diesel Range Organics (Over C10-C28)	565		49.7		mg/Kg		09/29/24 20:37	10/03/24 21:51	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/29/24 20:37	10/03/24 21:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				09/29/24 20:37	10/03/24 21:51	1
o-Terphenyl	68	S1-	70 - 130				09/29/24 20:37	10/03/24 21:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	297		5.05		mg/Kg			10/02/24 18:03	1

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

Lab Sample ID: 880-49111-9

Date Collected: 09/25/24 15:40

Matrix: Solid

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	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	10/01/24 01:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	10/01/24 01:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	10/01/24 01:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/30/24 11:13	10/01/24 01:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	10/01/24 01:36	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/30/24 11:13	10/01/24 01:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				09/30/24 11:13	10/01/24 01:36	1
1,4-Difluorobenzene (Surr)	80		70 - 130				09/30/24 11:13	10/01/24 01:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/01/24 01:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	130		49.9		mg/Kg			10/03/24 22:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		09/29/24 20:37	10/03/24 22:07	1
Diesel Range Organics (Over C10-C28)	130		49.9		mg/Kg		09/29/24 20:37	10/03/24 22:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/29/24 20:37	10/03/24 22:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				09/29/24 20:37	10/03/24 22:07	1
o-Terphenyl	72		70 - 130				09/29/24 20:37	10/03/24 22:07	1

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Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

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

Lab Sample ID: 880-49111-9

Date Collected: 09/25/24 15:40

Matrix: Solid

Date Received: 09/27/24 13:45

Sample Depth: 0-4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	287		4.97		mg/Kg			10/02/24 18:09	1

Client Sample ID: S-15 (0-4')

Lab Sample ID: 880-49111-10

Date Collected: 09/25/24 15:45

Matrix: Solid

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	<0.00199	U	0.00199		mg/Kg		09/30/24 11:13	10/01/24 01:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/30/24 11:13	10/01/24 01:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/30/24 11:13	10/01/24 01:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/30/24 11:13	10/01/24 01:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/30/24 11:13	10/01/24 01:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/30/24 11:13	10/01/24 01:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				09/30/24 11:13	10/01/24 01:57	1
1,4-Difluorobenzene (Surr)	84		70 - 130				09/30/24 11:13	10/01/24 01:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/01/24 01:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			10/03/24 22:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/29/24 20:37	10/03/24 22:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		09/29/24 20:37	10/03/24 22:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/29/24 20:37	10/03/24 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				09/29/24 20:37	10/03/24 22:23	1
o-Terphenyl	83		70 - 130				09/29/24 20:37	10/03/24 22:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.4		4.96		mg/Kg			10/02/24 18:15	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Client Sample ID: S-16 (4.1')

Lab Sample ID: 880-49111-11

Date Collected: 09/25/24 15:50

Matrix: Solid

Date Received: 09/27/24 13:45

Sample Depth: 4.1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	10/01/24 03:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	10/01/24 03:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	10/01/24 03:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/30/24 11:13	10/01/24 03:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	10/01/24 03:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/30/24 11:13	10/01/24 03:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	09/30/24 11:13	10/01/24 03:21	1
1,4-Difluorobenzene (Surr)	88		70 - 130	09/30/24 11:13	10/01/24 03:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/01/24 03:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	109		49.7		mg/Kg			10/03/24 22:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		09/29/24 20:37	10/03/24 22:39	1
Diesel Range Organics (Over C10-C28)	109		49.7		mg/Kg		09/29/24 20:37	10/03/24 22:39	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		09/29/24 20:37	10/03/24 22:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	09/29/24 20:37	10/03/24 22:39	1
o-Terphenyl	84		70 - 130	09/29/24 20:37	10/03/24 22:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.1		5.04		mg/Kg			10/02/24 18:22	1

Client Sample ID: S-17 (4.1')

Lab Sample ID: 880-49111-12

Date Collected: 09/25/24 15:55

Matrix: Solid

Date Received: 09/27/24 13:45

Sample Depth: 4.1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	10/01/24 03:41	1
Toluene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	10/01/24 03:41	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	10/01/24 03:41	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/30/24 11:13	10/01/24 03:41	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/30/24 11:13	10/01/24 03:41	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/30/24 11:13	10/01/24 03:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	09/30/24 11:13	10/01/24 03:41	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Client Sample ID: S-17 (4.1')

Lab Sample ID: 880-49111-12

Date Collected: 09/25/24 15:55

Matrix: Solid

Date Received: 09/27/24 13:45

Sample Depth: 4.1'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	118		70 - 130	09/30/24 11:13	10/01/24 03:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			10/01/24 03:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	834		50.0		mg/Kg			10/03/24 22:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/24 20:37	10/03/24 22:55	1
Diesel Range Organics (Over C10-C28)	834		50.0		mg/Kg		09/29/24 20:37	10/03/24 22:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/24 20:37	10/03/24 22:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				09/29/24 20:37	10/03/24 22:55	1
o-Terphenyl	96		70 - 130				09/29/24 20:37	10/03/24 22:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.7		5.03		mg/Kg			10/02/24 18:28	1

Client Sample ID: S-18 (4.1')

Lab Sample ID: 880-49111-13

Date Collected: 09/25/24 16:00

Matrix: Solid

Date Received: 09/27/24 13:45

Sample Depth: 4.1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		09/30/24 11:13	10/01/24 04:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		09/30/24 11:13	10/01/24 04:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		09/30/24 11:13	10/01/24 04:02	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		09/30/24 11:13	10/01/24 04:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		09/30/24 11:13	10/01/24 04:02	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		09/30/24 11:13	10/01/24 04:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	09/30/24 11:13	10/01/24 04:02	1
1,4-Difluorobenzene (Surr)	95		70 - 130	09/30/24 11:13	10/01/24 04:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			10/01/24 04:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1310		49.8		mg/Kg			10/03/24 23:11	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Client Sample ID: S-18 (4.1')

Lab Sample ID: 880-49111-13

Date Collected: 09/25/24 16:00

Matrix: Solid

Date Received: 09/27/24 13:45

Sample Depth: 4.1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/29/24 20:37	10/03/24 23:11	1
Diesel Range Organics (Over C10-C28)	1310		49.8		mg/Kg		09/29/24 20:37	10/03/24 23:11	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/29/24 20:37	10/03/24 23:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				09/29/24 20:37	10/03/24 23:11	1
o-Terphenyl	120		70 - 130				09/29/24 20:37	10/03/24 23:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.6		5.02		mg/Kg			10/02/24 18:34	1

Client Sample ID: S-19 (4.1')

Lab Sample ID: 880-49111-14

Date Collected: 09/25/24 16:05

Matrix: Solid

Date Received: 09/27/24 13:45

Sample Depth: 4.1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/30/24 11:13	10/01/24 04:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/30/24 11:13	10/01/24 04:23	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/30/24 11:13	10/01/24 04:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/30/24 11:13	10/01/24 04:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/30/24 11:13	10/01/24 04:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/30/24 11:13	10/01/24 04:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130				09/30/24 11:13	10/01/24 04:23	1
1,4-Difluorobenzene (Surr)	97		70 - 130				09/30/24 11:13	10/01/24 04:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			10/01/24 04:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3270		49.8		mg/Kg			10/03/24 23:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		09/29/24 20:37	10/03/24 23:27	1
Diesel Range Organics (Over C10-C28)	3270		49.8		mg/Kg		09/29/24 20:37	10/03/24 23:27	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		09/29/24 20:37	10/03/24 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				09/29/24 20:37	10/03/24 23:27	1
o-Terphenyl	87		70 - 130				09/29/24 20:37	10/03/24 23:27	1

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Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Client Sample ID: S-19 (4.1')

Lab Sample ID: 880-49111-14

Date Collected: 09/25/24 16:05

Matrix: Solid

Date Received: 09/27/24 13:45

Sample Depth: 4.1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.3		5.01		mg/Kg			10/02/24 18:53	1

Client Sample ID: S-20 (4.1')

Lab Sample ID: 880-49111-15

Date Collected: 09/25/24 16:10

Matrix: Solid

Date Received: 09/27/24 13:45

Sample Depth: 4.1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	10/01/24 04:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	10/01/24 04:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	10/01/24 04:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/30/24 11:13	10/01/24 04:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	10/01/24 04:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/30/24 11:13	10/01/24 04:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				09/30/24 11:13	10/01/24 04:43	1
1,4-Difluorobenzene (Surr)	87		70 - 130				09/30/24 11:13	10/01/24 04:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			10/01/24 04:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	260		50.0		mg/Kg			10/03/24 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/24 20:42	10/03/24 18:17	1
Diesel Range Organics (Over C10-C28)	260	*1	50.0		mg/Kg		09/29/24 20:42	10/03/24 18:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/24 20:42	10/03/24 18:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				09/29/24 20:42	10/03/24 18:17	1
o-Terphenyl	83		70 - 130				09/29/24 20:42	10/03/24 18:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	51.5		4.98		mg/Kg			10/02/24 19:00	1

Eurofins Midland

Surrogate Summary

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-49111-1	S-3 (5')	97	90				
880-49111-1 MS	S-3 (5')	101	115				
880-49111-1 MSD	S-3 (5')	105	121				
880-49111-2	S-7 (0-4')	97	85				
880-49111-3	S-8 (0-4')	88	84				
880-49111-4	S-9 (0-4')	70	97				
880-49111-5	S-10 (0-4')	90	80				
880-49111-6	S-11 (0-4')	98	88				
880-49111-7	S-12 (0-4')	99	78				
880-49111-8	S-13 (0-4')	91	91				
880-49111-9	S-14 (0-4')	91	80				
880-49111-10	S-15 (0-4')	96	84				
880-49111-11	S-16 (4.1')	93	88				
880-49111-12	S-17 (4.1')	114	118				
880-49111-13	S-18 (4.1')	92	95				
880-49111-14	S-19 (4.1')	82	97				
880-49111-15	S-20 (4.1')	84	87				
LCS 880-92119/1-A	Lab Control Sample	114	113				
LCSD 880-92119/2-A	Lab Control Sample Dup	109	124				
MB 880-92092/5-A	Method Blank	79	99				
MB 880-92119/5-A	Method Blank	80	100				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-49111-1	S-3 (5')	101	88				
880-49111-2	S-7 (0-4')	94	86				
880-49111-3	S-8 (0-4')	97	92				
880-49111-4	S-9 (0-4')	84	93				
880-49111-5	S-10 (0-4')	105	96				
880-49111-6	S-11 (0-4')	95	77				
880-49111-7	S-12 (0-4')	102	86				
880-49111-8	S-13 (0-4')	73	68 S1-				
880-49111-9	S-14 (0-4')	86	72				
880-49111-10	S-15 (0-4')	103	83				
880-49111-11	S-16 (4.1')	96	84				
880-49111-12	S-17 (4.1')	99	96				
880-49111-13	S-18 (4.1')	101	120				
880-49111-14	S-19 (4.1')	82	87				
880-49111-15	S-20 (4.1')	80	83				
LCS 880-92043/2-A	Lab Control Sample	155 S1+	144 S1+				
LCS 880-92044/2-A	Lab Control Sample	110	113				
LCSD 880-92043/3-A	Lab Control Sample Dup	129	117				

Surrogate Summary

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
LCSD 880-92044/3-A	Lab Control Sample Dup	137 S1+	140 S1+
MB 880-92043/1-A	Method Blank	122	154 S1+
MB 880-92044/1-A	Method Blank	150 S1+	144 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-92092/5-A
Matrix: Solid
Analysis Batch: 92061

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 92092

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/24 10:04	09/30/24 11:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/24 10:04	09/30/24 11:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/24 10:04	09/30/24 11:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/30/24 10:04	09/30/24 11:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/24 10:04	09/30/24 11:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/30/24 10:04	09/30/24 11:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				09/30/24 10:04	09/30/24 11:43	1
1,4-Difluorobenzene (Surr)	99		70 - 130				09/30/24 10:04	09/30/24 11:43	1

Lab Sample ID: MB 880-92119/5-A
Matrix: Solid
Analysis Batch: 92061

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 92119

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	09/30/24 22:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	09/30/24 22:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	09/30/24 22:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/30/24 11:13	09/30/24 22:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/30/24 11:13	09/30/24 22:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/30/24 11:13	09/30/24 22:30	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				09/30/24 11:13	09/30/24 22:30	1
1,4-Difluorobenzene (Surr)	100		70 - 130				09/30/24 11:13	09/30/24 22:30	1

Lab Sample ID: LCS 880-92119/1-A
Matrix: Solid
Analysis Batch: 92061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 92119

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09633		mg/Kg		96	70 - 130
Toluene	0.100	0.08756		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09475		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.2185		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1073		mg/Kg		107	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	114		70 - 130				
1,4-Difluorobenzene (Surr)	113		70 - 130				

Lab Sample ID: LCSD 880-92119/2-A
Matrix: Solid
Analysis Batch: 92061

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 92119

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1040		mg/Kg		104	70 - 130	8	35

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QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

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

Lab Sample ID: LCSD 880-92119/2-A

Matrix: Solid

Analysis Batch: 92061

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92119

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits			
Toluene	0.100	0.09377		mg/Kg		94	70 - 130		7	35
Ethylbenzene	0.100	0.1071		mg/Kg		107	70 - 130		12	35
m-Xylene & p-Xylene	0.200	0.2016		mg/Kg		101	70 - 130		8	35
o-Xylene	0.100	0.1005		mg/Kg		100	70 - 130		7	35

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

Lab Sample ID: 880-49111-1 MS

Matrix: Solid

Analysis Batch: 92061

Client Sample ID: S-3 (5')

Prep Type: Total/NA

Prep Batch: 92119

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Benzene	<0.00201	U	0.100	0.09220		mg/Kg		92	70 - 130	
Toluene	<0.00201	U	0.100	0.08844		mg/Kg		88	70 - 130	
Ethylbenzene	<0.00201	U	0.100	0.07755		mg/Kg		78	70 - 130	
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1305	F1	mg/Kg		65	70 - 130	
o-Xylene	<0.00201	U	0.100	0.06964		mg/Kg		70	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 880-49111-1 MSD

Matrix: Solid

Analysis Batch: 92061

Client Sample ID: S-3 (5')

Prep Type: Total/NA

Prep Batch: 92119

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits			
Benzene	<0.00201	U	0.100	0.08234		mg/Kg		82	70 - 130		11	35
Toluene	<0.00201	U	0.100	0.06983		mg/Kg		70	70 - 130		24	35
Ethylbenzene	<0.00201	U	0.100	0.06959		mg/Kg		70	70 - 130		11	35
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1159	F1	mg/Kg		58	70 - 130		12	35
o-Xylene	<0.00201	U	0.100	0.07298		mg/Kg		73	70 - 130		5	35

Surrogate	MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

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

Lab Sample ID: MB 880-92043/1-A

Matrix: Solid

Analysis Batch: 92506

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92043

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/24 20:36	10/03/24 03:55	1

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QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

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

Lab Sample ID: MB 880-92043/1-A

Matrix: Solid

Analysis Batch: 92506

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/24 20:36	10/03/24 03:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/24 20:36	10/03/24 03:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				09/29/24 20:36	10/03/24 03:55	1
o-Terphenyl	154	S1+	70 - 130				09/29/24 20:36	10/03/24 03:55	1

Lab Sample ID: LCS 880-92043/2-A

Matrix: Solid

Analysis Batch: 92506

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1271		mg/Kg		127	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1187		mg/Kg		119	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	155	S1+	70 - 130				
o-Terphenyl	144	S1+	70 - 130				

Lab Sample ID: LCSD 880-92043/3-A

Matrix: Solid

Analysis Batch: 92506

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92043

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1127		mg/Kg		113	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	1003		mg/Kg		100	70 - 130	17	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	129		70 - 130						
o-Terphenyl	117		70 - 130						

Lab Sample ID: MB 880-92044/1-A

Matrix: Solid

Analysis Batch: 92508

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92044

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/29/24 20:41	10/03/24 03:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		09/29/24 20:41	10/03/24 03:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/29/24 20:41	10/03/24 03:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	150	S1+	70 - 130				09/29/24 20:41	10/03/24 03:55	1

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QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

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

Lab Sample ID: MB 880-92044/1-A

Matrix: Solid

Analysis Batch: 92508

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92044

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
<i>o</i> -Terphenyl	144	S1+	70 - 130	09/29/24 20:41	10/03/24 03:55	1			

Lab Sample ID: LCS 880-92044/2-A

Matrix: Solid

Analysis Batch: 92508

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92044

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	876.3		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	882.7		mg/Kg		88	70 - 130		
Surrogate		LCS	LCS								
	%Recovery	Qualifier	Limits								
1-Chlorooctane	110		70 - 130								
<i>o</i> -Terphenyl	113		70 - 130								

Lab Sample ID: LCSD 880-92044/3-A

Matrix: Solid

Analysis Batch: 92508

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92044

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1067		mg/Kg		107	70 - 130	20	20	
Diesel Range Organics (Over C10-C28)			1000	1128	*1	mg/Kg		113	70 - 130	24	20	
Surrogate		LCSD	LCSD									
	%Recovery	Qualifier	Limits									
1-Chlorooctane	137	S1+	70 - 130									
<i>o</i> -Terphenyl	140	S1+	70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-92154/1-A

Matrix: Solid

Analysis Batch: 92241

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	<5.00	U	5.00		mg/Kg			10/02/24 05:39	1	

Lab Sample ID: LCS 880-92154/2-A

Matrix: Solid

Analysis Batch: 92241

Client Sample ID: Lab Control Sample

Prep Type: Soluble

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride			250	249.1		mg/Kg		100	90 - 110		

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-92154/3-A
Matrix: Solid
Analysis Batch: 92241

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	250.0		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-92158/1-A
Matrix: Solid
Analysis Batch: 92245

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/02/24 16:46	1

Lab Sample ID: LCS 880-92158/2-A
Matrix: Solid
Analysis Batch: 92245

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	251.5		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-92158/3-A
Matrix: Solid
Analysis Batch: 92245

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	245.4		mg/Kg		98	90 - 110	2	20

Lab Sample ID: 880-49111-3 MS
Matrix: Solid
Analysis Batch: 92245

Client Sample ID: S-8 (0-4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	195		249	434.7		mg/Kg		96	90 - 110		

Lab Sample ID: 880-49111-3 MSD
Matrix: Solid
Analysis Batch: 92245

Client Sample ID: S-8 (0-4')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	195		249	429.2		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 880-49111-13 MS
Matrix: Solid
Analysis Batch: 92245

Client Sample ID: S-18 (4.1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	16.6		251	255.5		mg/Kg		95	90 - 110		

Lab Sample ID: 880-49111-13 MSD
Matrix: Solid
Analysis Batch: 92245

Client Sample ID: S-18 (4.1')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	16.6		251	255.5		mg/Kg		95	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

GC VOA

Analysis Batch: 92061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49111-1	S-3 (5')	Total/NA	Solid	8021B	92119
880-49111-2	S-7 (0-4')	Total/NA	Solid	8021B	92119
880-49111-3	S-8 (0-4')	Total/NA	Solid	8021B	92119
880-49111-4	S-9 (0-4')	Total/NA	Solid	8021B	92119
880-49111-5	S-10 (0-4')	Total/NA	Solid	8021B	92119
880-49111-6	S-11 (0-4')	Total/NA	Solid	8021B	92119
880-49111-7	S-12 (0-4')	Total/NA	Solid	8021B	92119
880-49111-8	S-13 (0-4')	Total/NA	Solid	8021B	92119
880-49111-9	S-14 (0-4')	Total/NA	Solid	8021B	92119
880-49111-10	S-15 (0-4')	Total/NA	Solid	8021B	92119
880-49111-11	S-16 (4.1')	Total/NA	Solid	8021B	92119
880-49111-12	S-17 (4.1')	Total/NA	Solid	8021B	92119
880-49111-13	S-18 (4.1')	Total/NA	Solid	8021B	92119
880-49111-14	S-19 (4.1')	Total/NA	Solid	8021B	92119
880-49111-15	S-20 (4.1')	Total/NA	Solid	8021B	92119
MB 880-92092/5-A	Method Blank	Total/NA	Solid	8021B	92092
MB 880-92119/5-A	Method Blank	Total/NA	Solid	8021B	92119
LCS 880-92119/1-A	Lab Control Sample	Total/NA	Solid	8021B	92119
LCSD 880-92119/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92119
880-49111-1 MS	S-3 (5')	Total/NA	Solid	8021B	92119
880-49111-1 MSD	S-3 (5')	Total/NA	Solid	8021B	92119

Prep Batch: 92092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-92092/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 92119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49111-1	S-3 (5')	Total/NA	Solid	5035	
880-49111-2	S-7 (0-4')	Total/NA	Solid	5035	
880-49111-3	S-8 (0-4')	Total/NA	Solid	5035	
880-49111-4	S-9 (0-4')	Total/NA	Solid	5035	
880-49111-5	S-10 (0-4')	Total/NA	Solid	5035	
880-49111-6	S-11 (0-4')	Total/NA	Solid	5035	
880-49111-7	S-12 (0-4')	Total/NA	Solid	5035	
880-49111-8	S-13 (0-4')	Total/NA	Solid	5035	
880-49111-9	S-14 (0-4')	Total/NA	Solid	5035	
880-49111-10	S-15 (0-4')	Total/NA	Solid	5035	
880-49111-11	S-16 (4.1')	Total/NA	Solid	5035	
880-49111-12	S-17 (4.1')	Total/NA	Solid	5035	
880-49111-13	S-18 (4.1')	Total/NA	Solid	5035	
880-49111-14	S-19 (4.1')	Total/NA	Solid	5035	
880-49111-15	S-20 (4.1')	Total/NA	Solid	5035	
MB 880-92119/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92119/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92119/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-49111-1 MS	S-3 (5')	Total/NA	Solid	5035	
880-49111-1 MSD	S-3 (5')	Total/NA	Solid	5035	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

GC VOA

Analysis Batch: 92263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49111-1	S-3 (5')	Total/NA	Solid	Total BTEX	
880-49111-2	S-7 (0-4')	Total/NA	Solid	Total BTEX	
880-49111-3	S-8 (0-4')	Total/NA	Solid	Total BTEX	
880-49111-4	S-9 (0-4')	Total/NA	Solid	Total BTEX	
880-49111-5	S-10 (0-4')	Total/NA	Solid	Total BTEX	
880-49111-6	S-11 (0-4')	Total/NA	Solid	Total BTEX	
880-49111-7	S-12 (0-4')	Total/NA	Solid	Total BTEX	
880-49111-8	S-13 (0-4')	Total/NA	Solid	Total BTEX	
880-49111-9	S-14 (0-4')	Total/NA	Solid	Total BTEX	
880-49111-10	S-15 (0-4')	Total/NA	Solid	Total BTEX	
880-49111-11	S-16 (4.1')	Total/NA	Solid	Total BTEX	
880-49111-12	S-17 (4.1')	Total/NA	Solid	Total BTEX	
880-49111-13	S-18 (4.1')	Total/NA	Solid	Total BTEX	
880-49111-14	S-19 (4.1')	Total/NA	Solid	Total BTEX	
880-49111-15	S-20 (4.1')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 92043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49111-1	S-3 (5')	Total/NA	Solid	8015NM Prep	
880-49111-2	S-7 (0-4')	Total/NA	Solid	8015NM Prep	
880-49111-3	S-8 (0-4')	Total/NA	Solid	8015NM Prep	
880-49111-4	S-9 (0-4')	Total/NA	Solid	8015NM Prep	
880-49111-5	S-10 (0-4')	Total/NA	Solid	8015NM Prep	
880-49111-6	S-11 (0-4')	Total/NA	Solid	8015NM Prep	
880-49111-7	S-12 (0-4')	Total/NA	Solid	8015NM Prep	
880-49111-8	S-13 (0-4')	Total/NA	Solid	8015NM Prep	
880-49111-9	S-14 (0-4')	Total/NA	Solid	8015NM Prep	
880-49111-10	S-15 (0-4')	Total/NA	Solid	8015NM Prep	
880-49111-11	S-16 (4.1')	Total/NA	Solid	8015NM Prep	
880-49111-12	S-17 (4.1')	Total/NA	Solid	8015NM Prep	
880-49111-13	S-18 (4.1')	Total/NA	Solid	8015NM Prep	
880-49111-14	S-19 (4.1')	Total/NA	Solid	8015NM Prep	
MB 880-92043/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92043/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92043/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 92044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49111-15	S-20 (4.1')	Total/NA	Solid	8015NM Prep	
MB 880-92044/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92044/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92044/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 92506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49111-1	S-3 (5')	Total/NA	Solid	8015B NM	92043
880-49111-2	S-7 (0-4')	Total/NA	Solid	8015B NM	92043
880-49111-3	S-8 (0-4')	Total/NA	Solid	8015B NM	92043
880-49111-4	S-9 (0-4')	Total/NA	Solid	8015B NM	92043

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

GC Semi VOA (Continued)

Analysis Batch: 92506 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49111-5	S-10 (0-4')	Total/NA	Solid	8015B NM	92043
880-49111-6	S-11 (0-4')	Total/NA	Solid	8015B NM	92043
880-49111-7	S-12 (0-4')	Total/NA	Solid	8015B NM	92043
880-49111-8	S-13 (0-4')	Total/NA	Solid	8015B NM	92043
880-49111-9	S-14 (0-4')	Total/NA	Solid	8015B NM	92043
880-49111-10	S-15 (0-4')	Total/NA	Solid	8015B NM	92043
880-49111-11	S-16 (4.1')	Total/NA	Solid	8015B NM	92043
880-49111-12	S-17 (4.1')	Total/NA	Solid	8015B NM	92043
880-49111-13	S-18 (4.1')	Total/NA	Solid	8015B NM	92043
880-49111-14	S-19 (4.1')	Total/NA	Solid	8015B NM	92043
MB 880-92043/1-A	Method Blank	Total/NA	Solid	8015B NM	92043
LCS 880-92043/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92043
LCSD 880-92043/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92043

Analysis Batch: 92508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49111-15	S-20 (4.1')	Total/NA	Solid	8015B NM	92044
MB 880-92044/1-A	Method Blank	Total/NA	Solid	8015B NM	92044
LCS 880-92044/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92044
LCSD 880-92044/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92044

Analysis Batch: 92578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49111-1	S-3 (5')	Total/NA	Solid	8015 NM	
880-49111-2	S-7 (0-4')	Total/NA	Solid	8015 NM	
880-49111-3	S-8 (0-4')	Total/NA	Solid	8015 NM	
880-49111-4	S-9 (0-4')	Total/NA	Solid	8015 NM	
880-49111-5	S-10 (0-4')	Total/NA	Solid	8015 NM	
880-49111-6	S-11 (0-4')	Total/NA	Solid	8015 NM	
880-49111-7	S-12 (0-4')	Total/NA	Solid	8015 NM	
880-49111-8	S-13 (0-4')	Total/NA	Solid	8015 NM	
880-49111-9	S-14 (0-4')	Total/NA	Solid	8015 NM	
880-49111-10	S-15 (0-4')	Total/NA	Solid	8015 NM	
880-49111-11	S-16 (4.1')	Total/NA	Solid	8015 NM	
880-49111-12	S-17 (4.1')	Total/NA	Solid	8015 NM	
880-49111-13	S-18 (4.1')	Total/NA	Solid	8015 NM	
880-49111-14	S-19 (4.1')	Total/NA	Solid	8015 NM	
880-49111-15	S-20 (4.1')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 92154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49111-1	S-3 (5')	Soluble	Solid	DI Leach	
880-49111-2	S-7 (0-4')	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	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

HPLC/IC

Leach Batch: 92158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49111-3	S-8 (0-4')	Soluble	Solid	DI Leach	
880-49111-4	S-9 (0-4')	Soluble	Solid	DI Leach	
880-49111-5	S-10 (0-4')	Soluble	Solid	DI Leach	
880-49111-6	S-11 (0-4')	Soluble	Solid	DI Leach	
880-49111-7	S-12 (0-4')	Soluble	Solid	DI Leach	
880-49111-8	S-13 (0-4')	Soluble	Solid	DI Leach	
880-49111-9	S-14 (0-4')	Soluble	Solid	DI Leach	
880-49111-10	S-15 (0-4')	Soluble	Solid	DI Leach	
880-49111-11	S-16 (4.1')	Soluble	Solid	DI Leach	
880-49111-12	S-17 (4.1')	Soluble	Solid	DI Leach	
880-49111-13	S-18 (4.1')	Soluble	Solid	DI Leach	
880-49111-14	S-19 (4.1')	Soluble	Solid	DI Leach	
880-49111-15	S-20 (4.1')	Soluble	Solid	DI Leach	
MB 880-92158/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-92158/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-92158/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49111-3 MS	S-8 (0-4')	Soluble	Solid	DI Leach	
880-49111-3 MSD	S-8 (0-4')	Soluble	Solid	DI Leach	
880-49111-13 MS	S-18 (4.1')	Soluble	Solid	DI Leach	
880-49111-13 MSD	S-18 (4.1')	Soluble	Solid	DI Leach	

Analysis Batch: 92241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49111-1	S-3 (5')	Soluble	Solid	300.0	92154
880-49111-2	S-7 (0-4')	Soluble	Solid	300.0	92154
MB 880-92154/1-A	Method Blank	Soluble	Solid	300.0	92154
LCS 880-92154/2-A	Lab Control Sample	Soluble	Solid	300.0	92154
LCSD 880-92154/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	92154

Analysis Batch: 92245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49111-3	S-8 (0-4')	Soluble	Solid	300.0	92158
880-49111-4	S-9 (0-4')	Soluble	Solid	300.0	92158
880-49111-5	S-10 (0-4')	Soluble	Solid	300.0	92158
880-49111-6	S-11 (0-4')	Soluble	Solid	300.0	92158
880-49111-7	S-12 (0-4')	Soluble	Solid	300.0	92158
880-49111-8	S-13 (0-4')	Soluble	Solid	300.0	92158
880-49111-9	S-14 (0-4')	Soluble	Solid	300.0	92158
880-49111-10	S-15 (0-4')	Soluble	Solid	300.0	92158
880-49111-11	S-16 (4.1')	Soluble	Solid	300.0	92158
880-49111-12	S-17 (4.1')	Soluble	Solid	300.0	92158
880-49111-13	S-18 (4.1')	Soluble	Solid	300.0	92158
880-49111-14	S-19 (4.1')	Soluble	Solid	300.0	92158
880-49111-15	S-20 (4.1')	Soluble	Solid	300.0	92158
MB 880-92158/1-A	Method Blank	Soluble	Solid	300.0	92158
LCS 880-92158/2-A	Lab Control Sample	Soluble	Solid	300.0	92158
LCSD 880-92158/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	92158
880-49111-3 MS	S-8 (0-4')	Soluble	Solid	300.0	92158
880-49111-3 MSD	S-8 (0-4')	Soluble	Solid	300.0	92158
880-49111-13 MS	S-18 (4.1')	Soluble	Solid	300.0	92158
880-49111-13 MSD	S-18 (4.1')	Soluble	Solid	300.0	92158

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Client Sample ID: S-3 (5')

Lab Sample ID: 880-49111-1

Date Collected: 09/25/24 15:00

Matrix: Solid

Date Received: 09/27/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	92119	09/30/24 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92061	09/30/24 22:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92263	09/30/24 22:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			92578	10/03/24 19:41	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	92043	09/29/24 20:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92506	10/03/24 19:41	TKC	EET MID
Soluble	Leach	DI Leach			4.96 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 08:07	CH	EET MID

Client Sample ID: S-7 (0-4')

Lab Sample ID: 880-49111-2

Date Collected: 09/25/24 15:05

Matrix: Solid

Date Received: 09/27/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	92119	09/30/24 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92061	09/30/24 23:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92263	09/30/24 23:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			92578	10/03/24 19:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92043	09/29/24 20:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92506	10/03/24 19:58	TKC	EET MID
Soluble	Leach	DI Leach			5.02 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 08:18	CH	EET MID

Client Sample ID: S-8 (0-4')

Lab Sample ID: 880-49111-3

Date Collected: 09/25/24 15:10

Matrix: Solid

Date Received: 09/27/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	92119	09/30/24 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92061	09/30/24 23:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92263	09/30/24 23:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			92578	10/03/24 20:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92043	09/29/24 20:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92506	10/03/24 20:14	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92158	09/30/24 13:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92245	10/02/24 17:05	CH	EET MID

Client Sample ID: S-9 (0-4')

Lab Sample ID: 880-49111-4

Date Collected: 09/25/24 15:15

Matrix: Solid

Date Received: 09/27/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	92119	09/30/24 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92061	09/30/24 23:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92263	09/30/24 23:53	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Client Sample ID: S-9 (0-4')

Lab Sample ID: 880-49111-4

Date Collected: 09/25/24 15:15

Matrix: Solid

Date Received: 09/27/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			92578	10/03/24 20:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92043	09/29/24 20:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92506	10/03/24 20:31	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92158	09/30/24 13:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92245	10/02/24 17:24	CH	EET MID

Client Sample ID: S-10 (0-4')

Lab Sample ID: 880-49111-5

Date Collected: 09/25/24 15:20

Matrix: Solid

Date Received: 09/27/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	92119	09/30/24 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92061	10/01/24 00:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92263	10/01/24 00:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			92578	10/03/24 21:03	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92043	09/29/24 20:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92506	10/03/24 21:03	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	92158	09/30/24 13:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92245	10/02/24 17:31	CH	EET MID

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

Lab Sample ID: 880-49111-6

Date Collected: 09/25/24 15:25

Matrix: Solid

Date Received: 09/27/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92119	09/30/24 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92061	10/01/24 00:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92263	10/01/24 00:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			92578	10/03/24 21:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92043	09/29/24 20:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92506	10/03/24 21:19	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92158	09/30/24 13:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92245	10/02/24 17:37	CH	EET MID

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

Lab Sample ID: 880-49111-7

Date Collected: 09/25/24 15:30

Matrix: Solid

Date Received: 09/27/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92119	09/30/24 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92061	10/01/24 00:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92263	10/01/24 00:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			92578	10/03/24 21:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92043	09/29/24 20:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92506	10/03/24 21:35	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

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

Lab Sample ID: 880-49111-7

Date Collected: 09/25/24 15:30

Matrix: Solid

Date Received: 09/27/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	92158	09/30/24 13:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92245	10/02/24 17:43	CH	EET MID

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

Lab Sample ID: 880-49111-8

Date Collected: 09/25/24 15:35

Matrix: Solid

Date Received: 09/27/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	92119	09/30/24 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92061	10/01/24 01:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92263	10/01/24 01:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			92578	10/03/24 21:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92043	09/29/24 20:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92506	10/03/24 21:51	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92158	09/30/24 13:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92245	10/02/24 18:03	CH	EET MID

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

Lab Sample ID: 880-49111-9

Date Collected: 09/25/24 15:40

Matrix: Solid

Date Received: 09/27/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	92119	09/30/24 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92061	10/01/24 01:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92263	10/01/24 01:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			92578	10/03/24 22:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92043	09/29/24 20:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92506	10/03/24 22:07	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	92158	09/30/24 13:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92245	10/02/24 18:09	CH	EET MID

Client Sample ID: S-15 (0-4')

Lab Sample ID: 880-49111-10

Date Collected: 09/25/24 15:45

Matrix: Solid

Date Received: 09/27/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	92119	09/30/24 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92061	10/01/24 01:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92263	10/01/24 01:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			92578	10/03/24 22:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92043	09/29/24 20:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92506	10/03/24 22:23	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92158	09/30/24 13:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92245	10/02/24 18:15	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Client Sample ID: S-16 (4.1')

Lab Sample ID: 880-49111-11

Date Collected: 09/25/24 15:50

Matrix: Solid

Date Received: 09/27/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92119	09/30/24 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92061	10/01/24 03:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92263	10/01/24 03:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			92578	10/03/24 22:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92043	09/29/24 20:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92506	10/03/24 22:39	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	92158	09/30/24 13:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92245	10/02/24 18:22	CH	EET MID

Client Sample ID: S-17 (4.1')

Lab Sample ID: 880-49111-12

Date Collected: 09/25/24 15:55

Matrix: Solid

Date Received: 09/27/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	92119	09/30/24 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92061	10/01/24 03:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92263	10/01/24 03:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			92578	10/03/24 22:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92043	09/29/24 20:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92506	10/03/24 22:55	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	92158	09/30/24 13:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92245	10/02/24 18:28	CH	EET MID

Client Sample ID: S-18 (4.1')

Lab Sample ID: 880-49111-13

Date Collected: 09/25/24 16:00

Matrix: Solid

Date Received: 09/27/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	92119	09/30/24 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92061	10/01/24 04:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92263	10/01/24 04:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			92578	10/03/24 23:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92043	09/29/24 20:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92506	10/03/24 23:11	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	92158	09/30/24 13:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92245	10/02/24 18:34	CH	EET MID

Client Sample ID: S-19 (4.1')

Lab Sample ID: 880-49111-14

Date Collected: 09/25/24 16:05

Matrix: Solid

Date Received: 09/27/24 13:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	92119	09/30/24 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92061	10/01/24 04:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92263	10/01/24 04:23	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Client Sample ID: S-19 (4.1')

Date Collected: 09/25/24 16:05

Date Received: 09/27/24 13:45

Lab Sample ID: 880-49111-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			92578	10/03/24 23:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92043	09/29/24 20:37	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92506	10/03/24 23:27	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	92158	09/30/24 13:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92245	10/02/24 18:53	CH	EET MID

Client Sample ID: S-20 (4.1')

Date Collected: 09/25/24 16:10

Date Received: 09/27/24 13:45

Lab Sample ID: 880-49111-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	92119	09/30/24 11:13	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92061	10/01/24 04:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92263	10/01/24 04:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			92578	10/03/24 18:17	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92044	09/29/24 20:42	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92508	10/03/24 18:17	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92158	09/30/24 13:44	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92245	10/02/24 19:00	CH	EET MID

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

Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Crain Environmental
Project/Site: ARU TB Injection Pump

Job ID: 880-49111-1
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: ARU TB Injection Pump

Job ID: 880-49111-1
SDG: Lea Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-49111-1	S-3 (5')	Solid	09/25/24 15:00	09/27/24 13:45	5'
880-49111-2	S-7 (0-4')	Solid	09/25/24 15:05	09/27/24 13:45	0-4'
880-49111-3	S-8 (0-4')	Solid	09/25/24 15:10	09/27/24 13:45	0-4'
880-49111-4	S-9 (0-4')	Solid	09/25/24 15:15	09/27/24 13:45	0-4'
880-49111-5	S-10 (0-4')	Solid	09/25/24 15:20	09/27/24 13:45	0-4'
880-49111-6	S-11 (0-4')	Solid	09/25/24 15:25	09/27/24 13:45	0-4'
880-49111-7	S-12 (0-4')	Solid	09/25/24 15:30	09/27/24 13:45	0-4'
880-49111-8	S-13 (0-4')	Solid	09/25/24 15:35	09/27/24 13:45	0-4'
880-49111-9	S-14 (0-4')	Solid	09/25/24 15:40	09/27/24 13:45	0-4'
880-49111-10	S-15 (0-4')	Solid	09/25/24 15:45	09/27/24 13:45	0-4'
880-49111-11	S-16 (4.1')	Solid	09/25/24 15:50	09/27/24 13:45	4.1'
880-49111-12	S-17 (4.1')	Solid	09/25/24 15:55	09/27/24 13:45	4.1'
880-49111-13	S-18 (4.1')	Solid	09/25/24 16:00	09/27/24 13:45	4.1'
880-49111-14	S-19 (4.1')	Solid	09/25/24 16:05	09/27/24 13:45	4.1'
880-49111-15	S-20 (4.1')	Solid	09/25/24 16:10	09/27/24 13:45	4.1'



Chain of Custody

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

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880-49111 Chain of Custody

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

Project Manager:	Cindy Crain	Bill To: (if different)	Chris Craddy
Company Name:	Crain Environmental	Company Name:	Debrae
Address:	2425 E. 17th St.	Address:	310 W. Wall, Ste. 300
City, State ZIP:	Odessa TX 79761	City, State ZIP:	Middland, TX 79701
Phone:	(575) 441-7244	Email:	Cindy.Crain@gmail.com

[illegible]

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$45.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated with Eurofins Xenco.

[illegible]

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

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



Environment Testing
Xenco

Work Order No: 49111

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Program:	UST/PST	PRP	Brownfields	RRC	Superfund
State of Project:	NM				
Reporting:	Level II	Level III	PST/UST	TRRP	Level IV
Deliverables:	EDD	ADAPT	Other:		

Project Manager:	Cindy Crain	Bill to: (if different)	Chris Gaddy
Company Name:	Crain Environmental	Company Name:	Octane
Address:	2225 E. 17th St.	Address:	310 W. Hwy, Ste. 300
City, State ZIP:	Odessa, TX 79761	City, State ZIP:	Midland, TX 79701
Phone:	(575) 441-7244	Email:	Cindy.crain@gmail.com

SAMPLE RECEIPT				ANALYSIS REQUEST				PRESERVATIVE CODES			
Project Name:	Project Number:	Project Location:	PO #:	Turn Around	Pres. Code	Analysis Request	Preservative Codes				
ARU TB Injection Pump		Lea Co. NM		☒ Routine ☐ Rush			None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SACP				
Temp Blank: Yes ☒ No ☐ Samples Received Intact: Yes ☒ No ☐ Cooler Custody Seals: Yes ☒ No ☐ Sample Custody Seals: Yes ☒ No ☐ Total Containers: 3				Wet Ice: Yes ☒ No ☐ Thermometer ID: 1 Correction Factor: 3 Temperature Reading: 3 Corrected Temperature: 3				DI Water: H ₂ O MeOH: Me HNO ₃ : HN NaOH: Na			
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Sample Comments				
S-16 (4.1')	S	9/25/24	1550	4.1'	C	1					
S-17 (4.1')	S	9/25/24	1550	4.1'	C	1					
S-18 (4.1')	S	9/25/24	1550	4.1'	C	1					
S-19 (4.1')	S	9/25/24	1550	4.1'	C	1					
S-20 (4.1')	S	9/25/24	1550	4.1'	C	1					

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

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

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
Cindy Crain		9/27/24 13:52			

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-49111-1

SDG Number: Lea Co., NM

Login Number: 49111

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/21/2025 12:39:30 PM

JOB DESCRIPTION

ARU TB Inj Pump
Lea Co. NM

JOB NUMBER

880-53353-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



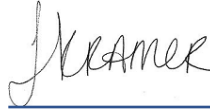
Eurofins Midland

Job Notes

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

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

Authorization



Generated
1/21/2025 12:39:30 PM

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

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Laboratory Job ID: 880-53353-1
SDG: Lea Co. NM

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Definitions/Glossary

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: Crain Environmental
Project: ARU TB Inj Pump

Job ID: 880-53353-1

Job ID: 880-53353-1

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Job Narrative 880-53353-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 1/17/2025 8:27 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-7 (0-4') (880-53353-1), S-8 (0-4') (880-53353-2), S-9 (0-4') (880-53353-3), S-10 (0-4') (880-53353-4), S-12 (0-4') (880-53353-5), S-13 (0-4') (880-53353-6), S-14 (0-4') (880-53353-7), S-19 (6') (880-53353-8), S-21 (4.1-6') (880-53353-9), S-22 (4.1-6') (880-53353-10), S-23 (4.1-6') (880-53353-11) and S-24 (4.1-6') (880-53353-12).

GC VOA

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-100554 and 880-100555 and analytical batch 880-100511 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-100555/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Client Sample ID: S-7 (0-4')

Lab Sample ID: 880-53353-1

Date Collected: 01/15/25 13:30

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/20/25 09:49	01/20/25 12:08	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/20/25 09:49	01/20/25 12:08	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/20/25 09:49	01/20/25 12:08	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/20/25 09:49	01/20/25 12:08	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/20/25 09:49	01/20/25 12:08	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/20/25 09:49	01/20/25 12:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				01/20/25 09:49	01/20/25 12:08	1
1,4-Difluorobenzene (Surr)	102		70 - 130				01/20/25 09:49	01/20/25 12:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/20/25 12:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/17/25 19:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/17/25 11:22	01/17/25 19:20	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/17/25 11:22	01/17/25 19:20	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/17/25 11:22	01/17/25 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				01/17/25 11:22	01/17/25 19:20	1
o-Terphenyl	109		70 - 130				01/17/25 11:22	01/17/25 19:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.92	U	9.92		mg/Kg			01/20/25 15:01	1

Client Sample ID: S-8 (0-4')

Lab Sample ID: 880-53353-2

Date Collected: 01/15/25 13:35

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/20/25 09:49	01/20/25 12:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/20/25 09:49	01/20/25 12:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/20/25 09:49	01/20/25 12:28	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/20/25 09:49	01/20/25 12:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/20/25 09:49	01/20/25 12:28	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/20/25 09:49	01/20/25 12:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				01/20/25 09:49	01/20/25 12:28	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Client Sample ID: S-8 (0-4')

Lab Sample ID: 880-53353-2

Date Collected: 01/15/25 13:35

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 0-4'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105		70 - 130	01/20/25 09:49	01/20/25 12:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/20/25 12:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/17/25 19:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/17/25 11:22	01/17/25 19:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/17/25 11:22	01/17/25 19:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/17/25 11:22	01/17/25 19:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				01/17/25 11:22	01/17/25 19:36	1
o-Terphenyl	112		70 - 130				01/17/25 11:22	01/17/25 19:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			01/20/25 15:07	1

Client Sample ID: S-9 (0-4')

Lab Sample ID: 880-53353-3

Date Collected: 01/15/25 13:40

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:49	01/20/25 12:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:49	01/20/25 12:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:49	01/20/25 12:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/20/25 09:49	01/20/25 12:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:49	01/20/25 12:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/20/25 09:49	01/20/25 12:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				01/20/25 09:49	01/20/25 12:48	1
1,4-Difluorobenzene (Surr)	104		70 - 130				01/20/25 09:49	01/20/25 12:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/20/25 12:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/17/25 18:33	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Client Sample ID: S-9 (0-4')

Lab Sample ID: 880-53353-3

Date Collected: 01/15/25 13:40

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/17/25 11:22	01/17/25 18:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/17/25 11:22	01/17/25 18:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/17/25 11:22	01/17/25 18:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				01/17/25 11:22	01/17/25 18:33	1
o-Terphenyl	100		70 - 130				01/17/25 11:22	01/17/25 18:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/20/25 15:25	1

Client Sample ID: S-10 (0-4')

Lab Sample ID: 880-53353-4

Date Collected: 01/15/25 13:45

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/20/25 09:49	01/20/25 13:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/20/25 09:49	01/20/25 13:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/20/25 09:49	01/20/25 13:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/20/25 09:49	01/20/25 13:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/20/25 09:49	01/20/25 13:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/20/25 09:49	01/20/25 13:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				01/20/25 09:49	01/20/25 13:09	1
1,4-Difluorobenzene (Surr)	103		70 - 130				01/20/25 09:49	01/20/25 13:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/20/25 13:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/17/25 19:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/17/25 11:22	01/17/25 19:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/17/25 11:22	01/17/25 19:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/17/25 11:22	01/17/25 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				01/17/25 11:22	01/17/25 19:51	1
o-Terphenyl	108		70 - 130				01/17/25 11:22	01/17/25 19:51	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Client Sample ID: S-10 (0-4')

Lab Sample ID: 880-53353-4

Date Collected: 01/15/25 13:45

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 0-4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/20/25 15:31	1

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

Lab Sample ID: 880-53353-5

Date Collected: 01/15/25 13:50

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:49	01/20/25 13:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:49	01/20/25 13:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:49	01/20/25 13:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/20/25 09:49	01/20/25 13:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:49	01/20/25 13:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/20/25 09:49	01/20/25 13:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				01/20/25 09:49	01/20/25 13:29	1
1,4-Difluorobenzene (Surr)	102		70 - 130				01/20/25 09:49	01/20/25 13:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/20/25 13:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/17/25 20:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/17/25 11:22	01/17/25 20:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/17/25 11:22	01/17/25 20:08	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/17/25 11:22	01/17/25 20:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				01/17/25 11:22	01/17/25 20:08	1
o-Terphenyl	97		70 - 130				01/17/25 11:22	01/17/25 20:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/20/25 15:48	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-53353-6

Date Collected: 01/15/25 13:55

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/20/25 09:54	01/20/25 12:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/20/25 09:54	01/20/25 12:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/20/25 09:54	01/20/25 12:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/20/25 09:54	01/20/25 12:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/20/25 09:54	01/20/25 12:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/20/25 09:54	01/20/25 12:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				01/20/25 09:54	01/20/25 12:03	1
1,4-Difluorobenzene (Surr)	93		70 - 130				01/20/25 09:54	01/20/25 12:03	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/20/25 12:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/17/25 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/17/25 11:22	01/17/25 20:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/17/25 11:22	01/17/25 20:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/17/25 11:22	01/17/25 20:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				01/17/25 11:22	01/17/25 20:23	1
o-Terphenyl	112		70 - 130				01/17/25 11:22	01/17/25 20:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			01/20/25 15:54	1

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

Lab Sample ID: 880-53353-7

Date Collected: 01/15/25 14:00

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 0-4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 12:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 12:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 12:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/20/25 09:54	01/20/25 12:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 12:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/20/25 09:54	01/20/25 12:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				01/20/25 09:54	01/20/25 12:23	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-53353-7

Date Collected: 01/15/25 14:00

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 0-4'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97		70 - 130	01/20/25 09:54	01/20/25 12:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/20/25 12:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/17/25 20:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/17/25 11:22	01/17/25 20:39	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/17/25 11:22	01/17/25 20:39	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/17/25 11:22	01/17/25 20:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				01/17/25 11:22	01/17/25 20:39	1
o-Terphenyl	102		70 - 130				01/17/25 11:22	01/17/25 20:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/20/25 16:00	1

Client Sample ID: S-19 (6')

Lab Sample ID: 880-53353-8

Date Collected: 01/15/25 14:05

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 12:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 12:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 12:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/20/25 09:54	01/20/25 12:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 12:44	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/20/25 09:54	01/20/25 12:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	01/20/25 09:54	01/20/25 12:44	1
1,4-Difluorobenzene (Surr)	101		70 - 130	01/20/25 09:54	01/20/25 12:44	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/20/25 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/18/25 02:24	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Client Sample ID: S-19 (6')

Lab Sample ID: 880-53353-8

Date Collected: 01/15/25 14:05

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/17/25 11:26	01/18/25 02:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/17/25 11:26	01/18/25 02:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/17/25 11:26	01/18/25 02:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				01/17/25 11:26	01/18/25 02:24	1
o-Terphenyl	101		70 - 130				01/17/25 11:26	01/18/25 02:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			01/20/25 16:06	1

Client Sample ID: S-21 (4.1-6')

Lab Sample ID: 880-53353-9

Date Collected: 01/15/25 14:10

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 4.1-6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 13:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 13:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 13:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/20/25 09:54	01/20/25 13:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 13:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/20/25 09:54	01/20/25 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				01/20/25 09:54	01/20/25 13:04	1
1,4-Difluorobenzene (Surr)	98		70 - 130				01/20/25 09:54	01/20/25 13:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/20/25 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/18/25 03:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/17/25 11:26	01/18/25 03:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/17/25 11:26	01/18/25 03:11	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/17/25 11:26	01/18/25 03:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				01/17/25 11:26	01/18/25 03:11	1
o-Terphenyl	111		70 - 130				01/17/25 11:26	01/18/25 03:11	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Client Sample ID: S-21 (4.1-6')

Lab Sample ID: 880-53353-9

Date Collected: 01/15/25 14:10

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 4.1-6'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.96	U	9.96		mg/Kg			01/20/25 16:12	1

Client Sample ID: S-22 (4.1-6')

Lab Sample ID: 880-53353-10

Date Collected: 01/15/25 14:15

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 4.1-6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/20/25 09:54	01/20/25 13:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/20/25 09:54	01/20/25 13:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/20/25 09:54	01/20/25 13:25	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/20/25 09:54	01/20/25 13:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/20/25 09:54	01/20/25 13:25	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/20/25 09:54	01/20/25 13:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				01/20/25 09:54	01/20/25 13:25	1
1,4-Difluorobenzene (Surr)	103		70 - 130				01/20/25 09:54	01/20/25 13:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			01/20/25 13:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/18/25 03:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/17/25 11:26	01/18/25 03:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/17/25 11:26	01/18/25 03:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/17/25 11:26	01/18/25 03:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				01/17/25 11:26	01/18/25 03:27	1
o-Terphenyl	107		70 - 130				01/17/25 11:26	01/18/25 03:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			01/20/25 16:18	1

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Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Client Sample ID: S-23 (4.1-6')

Lab Sample ID: 880-53353-11

Date Collected: 01/15/25 14:20

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 4.1-6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/17/25 10:55	01/17/25 18:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/17/25 10:55	01/17/25 18:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/17/25 10:55	01/17/25 18:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/17/25 10:55	01/17/25 18:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/17/25 10:55	01/17/25 18:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/17/25 10:55	01/17/25 18:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				01/17/25 10:55	01/17/25 18:00	1
1,4-Difluorobenzene (Surr)	103		70 - 130				01/17/25 10:55	01/17/25 18:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/17/25 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/18/25 03:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/17/25 11:26	01/18/25 03:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/17/25 11:26	01/18/25 03:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/17/25 11:26	01/18/25 03:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				01/17/25 11:26	01/18/25 03:42	1
o-Terphenyl	118		70 - 130				01/17/25 11:26	01/18/25 03:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.1	U	10.1		mg/Kg			01/20/25 16:24	1

Client Sample ID: S-24 (4.1-6')

Lab Sample ID: 880-53353-12

Date Collected: 01/15/25 14:25

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 4.1-6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/17/25 10:55	01/17/25 18:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/17/25 10:55	01/17/25 18:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/17/25 10:55	01/17/25 18:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/17/25 10:55	01/17/25 18:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/17/25 10:55	01/17/25 18:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/17/25 10:55	01/17/25 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				01/17/25 10:55	01/17/25 18:20	1

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Client Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Client Sample ID: S-24 (4.1-6')

Lab Sample ID: 880-53353-12

Date Collected: 01/15/25 14:25

Matrix: Solid

Date Received: 01/17/25 08:27

Sample Depth: 4.1-6'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	01/17/25 10:55	01/17/25 18:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/17/25 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/18/25 03:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/17/25 11:26	01/18/25 03:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/17/25 11:26	01/18/25 03:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/17/25 11:26	01/18/25 03:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				01/17/25 11:26	01/18/25 03:58	1
o-Terphenyl	113		70 - 130				01/17/25 11:26	01/18/25 03:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.1		10.0		mg/Kg			01/20/25 13:42	1

Surrogate Summary

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-53353-1	S-7 (0-4')	109	102				
880-53353-1 MS	S-7 (0-4')	102	121				
880-53353-1 MSD	S-7 (0-4')	105	122				
880-53353-2	S-8 (0-4')	105	105				
880-53353-3	S-9 (0-4')	108	104				
880-53353-4	S-10 (0-4')	107	103				
880-53353-5	S-12 (0-4')	102	102				
880-53353-6	S-13 (0-4')	114	93				
880-53353-6 MS	S-13 (0-4')	92	102				
880-53353-6 MSD	S-13 (0-4')	96	99				
880-53353-7	S-14 (0-4')	100	97				
880-53353-8	S-19 (6')	89	101				
880-53353-9	S-21 (4.1-6')	92	98				
880-53353-10	S-22 (4.1-6')	91	103				
880-53353-11	S-23 (4.1-6')	101	103				
880-53353-12	S-24 (4.1-6')	103	100				
LCS 880-100551/1-A	Lab Control Sample	99	122				
LCS 880-100656/1-A	Lab Control Sample	104	115				
LCS 880-100657/1-A	Lab Control Sample	94	100				
LCSD 880-100551/2-A	Lab Control Sample Dup	102	122				
LCSD 880-100656/2-A	Lab Control Sample Dup	103	118				
LCSD 880-100657/2-A	Lab Control Sample Dup	93	102				
MB 880-100551/5-A	Method Blank	97	100				
MB 880-100656/5-A	Method Blank	104	100				
MB 880-100657/5-A	Method Blank	81	93				
Surrogate Legend							
BFB = 4-Bromofluorobenzene (Surr)							
DFBZ = 1,4-Difluorobenzene (Surr)							

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-53353-1	S-7 (0-4')	105	109				
880-53353-2	S-8 (0-4')	109	112				
880-53353-3	S-9 (0-4')	97	100				
880-53353-3 MS	S-9 (0-4')	96	106				
880-53353-3 MSD	S-9 (0-4')	99	106				
880-53353-4	S-10 (0-4')	105	108				
880-53353-5	S-12 (0-4')	94	97				
880-53353-6	S-13 (0-4')	107	112				
880-53353-7	S-14 (0-4')	98	102				
880-53353-8	S-19 (6')	99	101				
880-53353-8 MS	S-19 (6')	100	109				
880-53353-8 MSD	S-19 (6')	100	111				
880-53353-9	S-21 (4.1-6')	111	111				
880-53353-10	S-22 (4.1-6')	106	107				

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Surrogate Summary

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)				
880-53353-11	S-23 (4.1-6')	118	118				
880-53353-12	S-24 (4.1-6')	112	113				
LCS 880-100554/2-A	Lab Control Sample	114	125				
LCS 880-100555/2-A	Lab Control Sample	111	119				
LCSD 880-100554/3-A	Lab Control Sample Dup	117	128				
LCSD 880-100555/3-A	Lab Control Sample Dup	123	133 S1+				
MB 880-100554/1-A	Method Blank	183 S1+	192 S1+				
MB 880-100555/1-A	Method Blank	134 S1+	138 S1+				
Surrogate Legend							
1CO = 1-Chlorooctane							
OTPH = o-Terphenyl							

QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-100551/5-A

Matrix: Solid

Analysis Batch: 100582

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100551

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

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

Lab Sample ID: LCS 880-100551/1-A

Matrix: Solid

Analysis Batch: 100582

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100551

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

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

Lab Sample ID: LCSD 880-100551/2-A

Matrix: Solid

Analysis Batch: 100582

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100551

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

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

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

Matrix: Solid

Analysis Batch: 100621

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100656

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:49	01/20/25 11:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:49	01/20/25 11:46	1

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QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

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

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

Matrix: Solid

Analysis Batch: 100621

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100656

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

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

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

Matrix: Solid

Analysis Batch: 100621

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100656

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

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

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

Matrix: Solid

Analysis Batch: 100621

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100656

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

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

Lab Sample ID: 880-53353-1 MS

Matrix: Solid

Analysis Batch: 100621

Client Sample ID: S-7 (0-4')

Prep Type: Total/NA

Prep Batch: 100656

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00198	U	0.0996	0.1136		mg/Kg		114	70 - 130
Toluene	<0.00198	U	0.0996	0.09986		mg/Kg		100	70 - 130
Ethylbenzene	<0.00198	U	0.0996	0.1090		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	<0.00396	U	0.199	0.2283		mg/Kg		115	70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-53353-1 MS

Matrix: Solid

Analysis Batch: 100621

Client Sample ID: S-7 (0-4')

Prep Type: Total/NA

Prep Batch: 100656

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00198	U	0.0996	0.1101		mg/Kg		111	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	102		70 - 130						
1,4-Difluorobenzene (Surr)	121		70 - 130						

Lab Sample ID: 880-53353-1 MSD

Matrix: Solid

Analysis Batch: 100621

Client Sample ID: S-7 (0-4')

Prep Type: Total/NA

Prep Batch: 100656

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.101	0.1168		mg/Kg		116	70 - 130	3	35
Toluene	<0.00198	U	0.101	0.1026		mg/Kg		102	70 - 130	3	35
Ethylbenzene	<0.00198	U	0.101	0.1118		mg/Kg		111	70 - 130	3	35
m-Xylene & p-Xylene	<0.00396	U	0.202	0.2329		mg/Kg		116	70 - 130	2	35
o-Xylene	<0.00198	U	0.101	0.1129		mg/Kg		112	70 - 130	3	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								
1,4-Difluorobenzene (Surr)	122		70 - 130								

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

Matrix: Solid

Analysis Batch: 100620

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100657

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 11:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 11:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 11:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/20/25 09:54	01/20/25 11:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/20/25 09:54	01/20/25 11:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/20/25 09:54	01/20/25 11:41	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				01/20/25 09:54	01/20/25 11:41	1
1,4-Difluorobenzene (Surr)	93		70 - 130				01/20/25 09:54	01/20/25 11:41	1

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

Matrix: Solid

Analysis Batch: 100620

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100657

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

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QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

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

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

Matrix: Solid

Analysis Batch: 100620

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100657

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

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

Matrix: Solid

Analysis Batch: 100620

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100657

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

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

Lab Sample ID: 880-53353-6 MS

Matrix: Solid

Analysis Batch: 100620

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

Prep Type: Total/NA

Prep Batch: 100657

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0992	0.1037		mg/Kg		105	70 - 130
Toluene	<0.00199	U	0.0992	0.1075		mg/Kg		108	70 - 130
Ethylbenzene	<0.00199	U	0.0992	0.1071		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1885		mg/Kg		95	70 - 130
o-Xylene	<0.00199	U	0.0992	0.1061		mg/Kg		107	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-53353-6 MSD

Matrix: Solid

Analysis Batch: 100620

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

Prep Type: Total/NA

Prep Batch: 100657

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1016		mg/Kg		101	70 - 130	2	35
Toluene	<0.00199	U	0.100	0.1130		mg/Kg		113	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.100	0.1151		mg/Kg		115	70 - 130	7	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2041		mg/Kg		102	70 - 130	8	35
o-Xylene	<0.00199	U	0.100	0.1157		mg/Kg		115	70 - 130	9	35

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

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QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-100554/1-A

Matrix: Solid

Analysis Batch: 100511

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100554

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/17/25 11:22	01/17/25 17:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/17/25 11:22	01/17/25 17:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/17/25 11:22	01/17/25 17:46	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1-Chlorooctane	183	S1+	70 - 130				01/17/25 11:22	01/17/25 17:46	1
o-Terphenyl	192	S1+	70 - 130				01/17/25 11:22	01/17/25 17:46	1

Lab Sample ID: LCS 880-100554/2-A

Matrix: Solid

Analysis Batch: 100511

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1042		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1093		mg/Kg		109	70 - 130
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
1-Chlorooctane	114		70 - 130				
o-Terphenyl	125		70 - 130				

Lab Sample ID: LCSD 880-100554/3-A

Matrix: Solid

Analysis Batch: 100511

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100554

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1037		mg/Kg		104	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1104		mg/Kg		110	70 - 130	1	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	117		70 - 130						
o-Terphenyl	128		70 - 130						

Lab Sample ID: 880-53353-3 MS

Matrix: Solid

Analysis Batch: 100511

Client Sample ID: S-9 (0-4')

Prep Type: Total/NA

Prep Batch: 100554

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	995	833.3		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	995	1113		mg/Kg		112	70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-53353-3 MS

Matrix: Solid

Analysis Batch: 100511

Client Sample ID: S-9 (0-4')

Prep Type: Total/NA

Prep Batch: 100554

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: 880-53353-3 MSD

Matrix: Solid

Analysis Batch: 100511

Client Sample ID: S-9 (0-4')

Prep Type: Total/NA

Prep Batch: 100554

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	995	833.8		mg/Kg		84	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.8	U	995	1119		mg/Kg		112	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: MB 880-100555/1-A

Matrix: Solid

Analysis Batch: 100511

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 100555

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/17/25 11:25	01/18/25 01:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/17/25 11:25	01/18/25 01:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/17/25 11:25	01/18/25 01:37	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	134	S1+	70 - 130				01/17/25 11:25	01/18/25 01:37	1
o-Terphenyl	138	S1+	70 - 130				01/17/25 11:25	01/18/25 01:37	1

Lab Sample ID: LCS 880-100555/2-A

Matrix: Solid

Analysis Batch: 100511

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 100555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1048		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1095		mg/Kg		109	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	119		70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

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

Lab Sample ID: LCSD 880-100555/3-A

Matrix: Solid

Analysis Batch: 100511

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 100555

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1209		mg/Kg		121	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	1242		mg/Kg		124	70 - 130	13	20
LCSD LCSD									
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	123		70 - 130						
o-Terphenyl	133	S1+	70 - 130						

Lab Sample ID: 880-53353-8 MS

Matrix: Solid

Analysis Batch: 100511

Client Sample ID: S-19 (6')

Prep Type: Total/NA

Prep Batch: 100555

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	886.7		mg/Kg		89	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1180		mg/Kg		118	70 - 130		
MS MS											
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	109		70 - 130								

Lab Sample ID: 880-53353-8 MSD

Matrix: Solid

Analysis Batch: 100511

Client Sample ID: S-19 (6')

Prep Type: Total/NA

Prep Batch: 100555

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	855.0		mg/Kg		85	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	1153		mg/Kg		115	70 - 130	2	20
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	111		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-100633/1-A

Matrix: Solid

Analysis Batch: 100663

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/20/25 12:51	1

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QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-100633/2-A

Matrix: Solid

Analysis Batch: 100663

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	233.7		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-100633/3-A

Matrix: Solid

Analysis Batch: 100663

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	234.4		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 880-53353-2 MS

Matrix: Solid

Analysis Batch: 100663

Client Sample ID: S-8 (0-4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<9.94	U	249	250.4		mg/Kg		98	90 - 110

Lab Sample ID: 880-53353-2 MSD

Matrix: Solid

Analysis Batch: 100663

Client Sample ID: S-8 (0-4')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<9.94	U	249	250.4		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-100659/1-A

Matrix: Solid

Analysis Batch: 100689

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			01/20/25 13:25	1

Lab Sample ID: LCS 880-100659/2-A

Matrix: Solid

Analysis Batch: 100689

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	236.0		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-100659/3-A

Matrix: Solid

Analysis Batch: 100689

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	236.3		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 880-53353-12 MS

Matrix: Solid

Analysis Batch: 100689

Client Sample ID: S-24 (4.1-6')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12.1		251	258.8		mg/Kg		98	90 - 110

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QC Sample Results

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-53353-12 MSD					Client Sample ID: S-24 (4.1-6')							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 100689												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Chloride	12.1		251	259.0		mg/Kg		98	90 - 110	0	20	

QC Association Summary

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

GC VOA

Prep Batch: 100551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-11	S-23 (4.1-6')	Total/NA	Solid	5035	
880-53353-12	S-24 (4.1-6')	Total/NA	Solid	5035	
MB 880-100551/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100551/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100551/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 100582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-11	S-23 (4.1-6')	Total/NA	Solid	8021B	100551
880-53353-12	S-24 (4.1-6')	Total/NA	Solid	8021B	100551
MB 880-100551/5-A	Method Blank	Total/NA	Solid	8021B	100551
LCS 880-100551/1-A	Lab Control Sample	Total/NA	Solid	8021B	100551
LCSD 880-100551/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100551

Analysis Batch: 100620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-6	S-13 (0-4')	Total/NA	Solid	8021B	100657
880-53353-7	S-14 (0-4')	Total/NA	Solid	8021B	100657
880-53353-8	S-19 (6')	Total/NA	Solid	8021B	100657
880-53353-9	S-21 (4.1-6')	Total/NA	Solid	8021B	100657
880-53353-10	S-22 (4.1-6')	Total/NA	Solid	8021B	100657
MB 880-100657/5-A	Method Blank	Total/NA	Solid	8021B	100657
LCS 880-100657/1-A	Lab Control Sample	Total/NA	Solid	8021B	100657
LCSD 880-100657/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100657
880-53353-6 MS	S-13 (0-4')	Total/NA	Solid	8021B	100657
880-53353-6 MSD	S-13 (0-4')	Total/NA	Solid	8021B	100657

Analysis Batch: 100621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-1	S-7 (0-4')	Total/NA	Solid	8021B	100656
880-53353-2	S-8 (0-4')	Total/NA	Solid	8021B	100656
880-53353-3	S-9 (0-4')	Total/NA	Solid	8021B	100656
880-53353-4	S-10 (0-4')	Total/NA	Solid	8021B	100656
880-53353-5	S-12 (0-4')	Total/NA	Solid	8021B	100656
MB 880-100656/5-A	Method Blank	Total/NA	Solid	8021B	100656
LCS 880-100656/1-A	Lab Control Sample	Total/NA	Solid	8021B	100656
LCSD 880-100656/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	100656
880-53353-1 MS	S-7 (0-4')	Total/NA	Solid	8021B	100656
880-53353-1 MSD	S-7 (0-4')	Total/NA	Solid	8021B	100656

Prep Batch: 100656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-1	S-7 (0-4')	Total/NA	Solid	5035	
880-53353-2	S-8 (0-4')	Total/NA	Solid	5035	
880-53353-3	S-9 (0-4')	Total/NA	Solid	5035	
880-53353-4	S-10 (0-4')	Total/NA	Solid	5035	
880-53353-5	S-12 (0-4')	Total/NA	Solid	5035	
MB 880-100656/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100656/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100656/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53353-1 MS	S-7 (0-4')	Total/NA	Solid	5035	

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QC Association Summary

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

GC VOA (Continued)

Prep Batch: 100656 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-1 MSD	S-7 (0-4')	Total/NA	Solid	5035	

Prep Batch: 100657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-6	S-13 (0-4')	Total/NA	Solid	5035	
880-53353-7	S-14 (0-4')	Total/NA	Solid	5035	
880-53353-8	S-19 (6')	Total/NA	Solid	5035	
880-53353-9	S-21 (4.1-6')	Total/NA	Solid	5035	
880-53353-10	S-22 (4.1-6')	Total/NA	Solid	5035	
MB 880-100657/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-100657/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-100657/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-53353-6 MS	S-13 (0-4')	Total/NA	Solid	5035	
880-53353-6 MSD	S-13 (0-4')	Total/NA	Solid	5035	

Analysis Batch: 100677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-1	S-7 (0-4')	Total/NA	Solid	Total BTEX	
880-53353-2	S-8 (0-4')	Total/NA	Solid	Total BTEX	
880-53353-3	S-9 (0-4')	Total/NA	Solid	Total BTEX	
880-53353-4	S-10 (0-4')	Total/NA	Solid	Total BTEX	
880-53353-5	S-12 (0-4')	Total/NA	Solid	Total BTEX	
880-53353-6	S-13 (0-4')	Total/NA	Solid	Total BTEX	
880-53353-7	S-14 (0-4')	Total/NA	Solid	Total BTEX	
880-53353-8	S-19 (6')	Total/NA	Solid	Total BTEX	
880-53353-9	S-21 (4.1-6')	Total/NA	Solid	Total BTEX	
880-53353-10	S-22 (4.1-6')	Total/NA	Solid	Total BTEX	
880-53353-11	S-23 (4.1-6')	Total/NA	Solid	Total BTEX	
880-53353-12	S-24 (4.1-6')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 100511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-1	S-7 (0-4')	Total/NA	Solid	8015B NM	100554
880-53353-2	S-8 (0-4')	Total/NA	Solid	8015B NM	100554
880-53353-3	S-9 (0-4')	Total/NA	Solid	8015B NM	100554
880-53353-4	S-10 (0-4')	Total/NA	Solid	8015B NM	100554
880-53353-5	S-12 (0-4')	Total/NA	Solid	8015B NM	100554
880-53353-6	S-13 (0-4')	Total/NA	Solid	8015B NM	100554
880-53353-7	S-14 (0-4')	Total/NA	Solid	8015B NM	100554
880-53353-8	S-19 (6')	Total/NA	Solid	8015B NM	100555
880-53353-9	S-21 (4.1-6')	Total/NA	Solid	8015B NM	100555
880-53353-10	S-22 (4.1-6')	Total/NA	Solid	8015B NM	100555
880-53353-11	S-23 (4.1-6')	Total/NA	Solid	8015B NM	100555
880-53353-12	S-24 (4.1-6')	Total/NA	Solid	8015B NM	100555
MB 880-100554/1-A	Method Blank	Total/NA	Solid	8015B NM	100554
MB 880-100555/1-A	Method Blank	Total/NA	Solid	8015B NM	100555
LCS 880-100554/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100554
LCS 880-100555/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	100555
LCSD 880-100554/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100554

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Analysis Batch: 100511 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-100555/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	100555
880-53353-3 MS	S-9 (0-4')	Total/NA	Solid	8015B NM	100554
880-53353-3 MSD	S-9 (0-4')	Total/NA	Solid	8015B NM	100554
880-53353-8 MS	S-19 (6')	Total/NA	Solid	8015B NM	100555
880-53353-8 MSD	S-19 (6')	Total/NA	Solid	8015B NM	100555

Prep Batch: 100554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-1	S-7 (0-4')	Total/NA	Solid	8015NM Prep	
880-53353-2	S-8 (0-4')	Total/NA	Solid	8015NM Prep	
880-53353-3	S-9 (0-4')	Total/NA	Solid	8015NM Prep	
880-53353-4	S-10 (0-4')	Total/NA	Solid	8015NM Prep	
880-53353-5	S-12 (0-4')	Total/NA	Solid	8015NM Prep	
880-53353-6	S-13 (0-4')	Total/NA	Solid	8015NM Prep	
880-53353-7	S-14 (0-4')	Total/NA	Solid	8015NM Prep	
MB 880-100554/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100554/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100554/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53353-3 MS	S-9 (0-4')	Total/NA	Solid	8015NM Prep	
880-53353-3 MSD	S-9 (0-4')	Total/NA	Solid	8015NM Prep	

Prep Batch: 100555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-8	S-19 (6')	Total/NA	Solid	8015NM Prep	
880-53353-9	S-21 (4.1-6')	Total/NA	Solid	8015NM Prep	
880-53353-10	S-22 (4.1-6')	Total/NA	Solid	8015NM Prep	
880-53353-11	S-23 (4.1-6')	Total/NA	Solid	8015NM Prep	
880-53353-12	S-24 (4.1-6')	Total/NA	Solid	8015NM Prep	
MB 880-100555/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-100555/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-100555/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-53353-8 MS	S-19 (6')	Total/NA	Solid	8015NM Prep	
880-53353-8 MSD	S-19 (6')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 100668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-1	S-7 (0-4')	Total/NA	Solid	8015 NM	
880-53353-2	S-8 (0-4')	Total/NA	Solid	8015 NM	
880-53353-3	S-9 (0-4')	Total/NA	Solid	8015 NM	
880-53353-4	S-10 (0-4')	Total/NA	Solid	8015 NM	
880-53353-5	S-12 (0-4')	Total/NA	Solid	8015 NM	
880-53353-6	S-13 (0-4')	Total/NA	Solid	8015 NM	
880-53353-7	S-14 (0-4')	Total/NA	Solid	8015 NM	
880-53353-8	S-19 (6')	Total/NA	Solid	8015 NM	
880-53353-9	S-21 (4.1-6')	Total/NA	Solid	8015 NM	
880-53353-10	S-22 (4.1-6')	Total/NA	Solid	8015 NM	
880-53353-11	S-23 (4.1-6')	Total/NA	Solid	8015 NM	
880-53353-12	S-24 (4.1-6')	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

HPLC/IC

Leach Batch: 100633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-1	S-7 (0-4')	Soluble	Solid	DI Leach	
880-53353-2	S-8 (0-4')	Soluble	Solid	DI Leach	
880-53353-3	S-9 (0-4')	Soluble	Solid	DI Leach	
880-53353-4	S-10 (0-4')	Soluble	Solid	DI Leach	
880-53353-5	S-12 (0-4')	Soluble	Solid	DI Leach	
880-53353-6	S-13 (0-4')	Soluble	Solid	DI Leach	
880-53353-7	S-14 (0-4')	Soluble	Solid	DI Leach	
880-53353-8	S-19 (6')	Soluble	Solid	DI Leach	
880-53353-9	S-21 (4.1-6')	Soluble	Solid	DI Leach	
880-53353-10	S-22 (4.1-6')	Soluble	Solid	DI Leach	
880-53353-11	S-23 (4.1-6')	Soluble	Solid	DI Leach	
MB 880-100633/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100633/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100633/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53353-2 MS	S-8 (0-4')	Soluble	Solid	DI Leach	
880-53353-2 MSD	S-8 (0-4')	Soluble	Solid	DI Leach	

Leach Batch: 100659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-12	S-24 (4.1-6')	Soluble	Solid	DI Leach	
MB 880-100659/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-100659/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-100659/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-53353-12 MS	S-24 (4.1-6')	Soluble	Solid	DI Leach	
880-53353-12 MSD	S-24 (4.1-6')	Soluble	Solid	DI Leach	

Analysis Batch: 100663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-1	S-7 (0-4')	Soluble	Solid	300.0	100633
880-53353-2	S-8 (0-4')	Soluble	Solid	300.0	100633
880-53353-3	S-9 (0-4')	Soluble	Solid	300.0	100633
880-53353-4	S-10 (0-4')	Soluble	Solid	300.0	100633
880-53353-5	S-12 (0-4')	Soluble	Solid	300.0	100633
880-53353-6	S-13 (0-4')	Soluble	Solid	300.0	100633
880-53353-7	S-14 (0-4')	Soluble	Solid	300.0	100633
880-53353-8	S-19 (6')	Soluble	Solid	300.0	100633
880-53353-9	S-21 (4.1-6')	Soluble	Solid	300.0	100633
880-53353-10	S-22 (4.1-6')	Soluble	Solid	300.0	100633
880-53353-11	S-23 (4.1-6')	Soluble	Solid	300.0	100633
MB 880-100633/1-A	Method Blank	Soluble	Solid	300.0	100633
LCS 880-100633/2-A	Lab Control Sample	Soluble	Solid	300.0	100633
LCSD 880-100633/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100633
880-53353-2 MS	S-8 (0-4')	Soluble	Solid	300.0	100633
880-53353-2 MSD	S-8 (0-4')	Soluble	Solid	300.0	100633

Analysis Batch: 100689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-12	S-24 (4.1-6')	Soluble	Solid	300.0	100659
MB 880-100659/1-A	Method Blank	Soluble	Solid	300.0	100659
LCS 880-100659/2-A	Lab Control Sample	Soluble	Solid	300.0	100659
LCSD 880-100659/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	100659

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

HPLC/IC (Continued)

Analysis Batch: 100689 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-53353-12 MS	S-24 (4.1-6')	Soluble	Solid	300.0	100659
880-53353-12 MSD	S-24 (4.1-6')	Soluble	Solid	300.0	100659

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- 14

Lab Chronicle

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Client Sample ID: S-7 (0-4')

Lab Sample ID: 880-53353-1

Date Collected: 01/15/25 13:30

Matrix: Solid

Date Received: 01/17/25 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	100656	01/20/25 09:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100621	01/20/25 12:08	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100677	01/20/25 12:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			100668	01/17/25 19:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100554	01/17/25 11:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100511	01/17/25 19:20	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	100633	01/20/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100663	01/20/25 15:01	CH	EET MID

Client Sample ID: S-8 (0-4')

Lab Sample ID: 880-53353-2

Date Collected: 01/15/25 13:35

Matrix: Solid

Date Received: 01/17/25 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	100656	01/20/25 09:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100621	01/20/25 12:28	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100677	01/20/25 12:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			100668	01/17/25 19:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100554	01/17/25 11:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100511	01/17/25 19:36	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100633	01/20/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100663	01/20/25 15:07	CH	EET MID

Client Sample ID: S-9 (0-4')

Lab Sample ID: 880-53353-3

Date Collected: 01/15/25 13:40

Matrix: Solid

Date Received: 01/17/25 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	100656	01/20/25 09:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100621	01/20/25 12:48	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100677	01/20/25 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			100668	01/17/25 18:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100554	01/17/25 11:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100511	01/17/25 18:33	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100633	01/20/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100663	01/20/25 15:25	CH	EET MID

Client Sample ID: S-10 (0-4')

Lab Sample ID: 880-53353-4

Date Collected: 01/15/25 13:45

Matrix: Solid

Date Received: 01/17/25 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	100656	01/20/25 09:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100621	01/20/25 13:09	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100677	01/20/25 13:09	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Client Sample ID: S-10 (0-4')

Lab Sample ID: 880-53353-4

Date Collected: 01/15/25 13:45

Matrix: Solid

Date Received: 01/17/25 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			100668	01/17/25 19:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	100554	01/17/25 11:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100511	01/17/25 19:51	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	100633	01/20/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100663	01/20/25 15:31	CH	EET MID

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

Lab Sample ID: 880-53353-5

Date Collected: 01/15/25 13:50

Matrix: Solid

Date Received: 01/17/25 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100656	01/20/25 09:49	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100621	01/20/25 13:29	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100677	01/20/25 13:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			100668	01/17/25 20:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100554	01/17/25 11:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100511	01/17/25 20:08	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100633	01/20/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100663	01/20/25 15:48	CH	EET MID

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

Lab Sample ID: 880-53353-6

Date Collected: 01/15/25 13:55

Matrix: Solid

Date Received: 01/17/25 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	100657	01/20/25 09:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100620	01/20/25 12:03	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100677	01/20/25 12:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			100668	01/17/25 20:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100554	01/17/25 11:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100511	01/17/25 20:23	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	100633	01/20/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100663	01/20/25 15:54	CH	EET MID

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

Lab Sample ID: 880-53353-7

Date Collected: 01/15/25 14:00

Matrix: Solid

Date Received: 01/17/25 08:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100657	01/20/25 09:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100620	01/20/25 12:23	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100677	01/20/25 12:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			100668	01/17/25 20:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	100554	01/17/25 11:22	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100511	01/17/25 20:39	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Client Sample ID: S-14 (0-4')**Lab Sample ID: 880-53353-7****Date Collected: 01/15/25 14:00****Matrix: Solid****Date Received: 01/17/25 08:27**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	100633	01/20/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100663	01/20/25 16:00	CH	EET MID

Client Sample ID: S-19 (6')**Lab Sample ID: 880-53353-8****Date Collected: 01/15/25 14:05****Matrix: Solid****Date Received: 01/17/25 08:27**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	100657	01/20/25 09:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100620	01/20/25 12:44	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100677	01/20/25 12:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			100668	01/18/25 02:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100555	01/17/25 11:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100511	01/18/25 02:24	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	100633	01/20/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100663	01/20/25 16:06	CH	EET MID

Client Sample ID: S-21 (4.1-6')**Lab Sample ID: 880-53353-9****Date Collected: 01/15/25 14:10****Matrix: Solid****Date Received: 01/17/25 08:27**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100657	01/20/25 09:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100620	01/20/25 13:04	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100677	01/20/25 13:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			100668	01/18/25 03:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	100555	01/17/25 11:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100511	01/18/25 03:11	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	100633	01/20/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100663	01/20/25 16:12	CH	EET MID

Client Sample ID: S-22 (4.1-6')**Lab Sample ID: 880-53353-10****Date Collected: 01/15/25 14:15****Matrix: Solid****Date Received: 01/17/25 08:27**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	100657	01/20/25 09:54	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100620	01/20/25 13:25	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100677	01/20/25 13:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			100668	01/18/25 03:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	100555	01/17/25 11:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100511	01/18/25 03:27	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	100633	01/20/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100663	01/20/25 16:18	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Client Sample ID: S-23 (4.1-6')
Date Collected: 01/15/25 14:20
Date Received: 01/17/25 08:27

Lab Sample ID: 880-53353-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	100551	01/17/25 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100582	01/17/25 18:00	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100677	01/17/25 18:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			100668	01/18/25 03:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	100555	01/17/25 11:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100511	01/18/25 03:42	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	100633	01/20/25 09:04	SI	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	100663	01/20/25 16:24	CH	EET MID

Client Sample ID: S-24 (4.1-6')
Date Collected: 01/15/25 14:25
Date Received: 01/17/25 08:27

Lab Sample ID: 880-53353-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	100551	01/17/25 10:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	100582	01/17/25 18:20	EL	EET MID
Total/NA	Analysis	Total BTEX		1			100677	01/17/25 18:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			100668	01/18/25 03:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	100555	01/17/25 11:26	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	100511	01/18/25 03:58	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	100659	01/20/25 10:05	SI	EET MID
Soluble	Analysis	300.0		1			100689	01/20/25 13:42	CH	EET MID

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

Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Crain Environmental
Project/Site: ARU TB Inj Pump

Job ID: 880-53353-1
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: ARU TB Inj Pump

Job ID: 880-53353-1
SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-53353-1	S-7 (0-4')	Solid	01/15/25 13:30	01/17/25 08:27	0-4'
880-53353-2	S-8 (0-4')	Solid	01/15/25 13:35	01/17/25 08:27	0-4'
880-53353-3	S-9 (0-4')	Solid	01/15/25 13:40	01/17/25 08:27	0-4'
880-53353-4	S-10 (0-4')	Solid	01/15/25 13:45	01/17/25 08:27	0-4'
880-53353-5	S-12 (0-4')	Solid	01/15/25 13:50	01/17/25 08:27	0-4'
880-53353-6	S-13 (0-4')	Solid	01/15/25 13:55	01/17/25 08:27	0-4'
880-53353-7	S-14 (0-4')	Solid	01/15/25 14:00	01/17/25 08:27	0-4'
880-53353-8	S-19 (6')	Solid	01/15/25 14:05	01/17/25 08:27	6'
880-53353-9	S-21 (4.1-6')	Solid	01/15/25 14:10	01/17/25 08:27	4.1-6'
880-53353-10	S-22 (4.1-6')	Solid	01/15/25 14:15	01/17/25 08:27	4.1-6'
880-53353-11	S-23 (4.1-6')	Solid	01/15/25 14:20	01/17/25 08:27	4.1-6'
880-53353-12	S-24 (4.1-6')	Solid	01/15/25 14:25	01/17/25 08:27	4.1-6'

Chain of Custody

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

Environment Testing
Xenco



880-53353 Chain of Custody

www.xenco.com Page 1 of 2

Work Order Comments

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

State of Project: *NM*

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Manager: *Cindy Crain*

Company Name: *Crain Environmental*

Address: *2925 E. 17th St.*

City, State ZIP: *Odessa, TX 79761*

Phone: *(575) 441-7244*

Bill to: (if different)

Company Name: *Chris Gaddy*

Address: *310 W. Wall, Ste. 300*

City, State ZIP: *Midland, TX 79701*

Email: *Cindy.crain@gmail.com*

SAMPLE RECEIPT				ANALYSIS REQUEST				PRESERVATIVE CODES	
Project Name:	Project Number:	Project Location:	Sampler's Name:	Turn Around	Pres. Code	Parameters	# of Cont	Sample Comments	
ARU TB Inj Pump		Lea Co., NM	Cindy Crain	☒ Routine ☐ Rush		TPH 8015 M BTX Chlorides	1		
SAMPLE RECEIPT									
Samples Received Intact:	Yes ☒ No ☐	Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐				
Cooler Custody Seals:	Yes ☒ No ☐	Thermometer ID:	IRS						
Sample Custody Seals:	Yes ☒ No ☐	Correction Factor:	4.8						
Total Containers:	Yes ☒ No ☐	Temperature Reading:	4.8						
				Time Sampled	Date Sampled	Matrix	Depth	Grab/Comp	
S-7 (0-4')				1330	1/15/25	S	0-4'	C	
S-8 (0-4')				1335			0-4'		
S-9 (0-4')				1340			0-4'		
S-10 (0-4')				1345			0-4'		
S-12 (0-4')				1350			0-4'		
S-13 (0-4')				1355			0-4'		
S-14 (0-4')				1400			0-4'		
S-19 (6')				1405			6'		
S-21 (4.1-6')				1410			4.1-6'		
S-22 (4.1-6')				1415			4.1-6'		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Cindy Crain</i>		6/7 11/7			

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

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

Environment Testing
 Xenco



Work Order No: 353

www.xenco.com Page 2 of 2

Project Manager: <i>Cindy Crain</i>	Bill to: (if different) <i>Chris Gaddy</i>
Company Name: <i>Crain Environmental</i>	Company Name:
Address: <i>2925 E. 17th St.</i>	Address:
City, State ZIP: <i>Odessa, TX 79761</i>	City, State ZIP:
Phone: <i>(575) 441-7244</i>	Email: <i>Cindy.crain@gmail.com</i>

Project Name: <i>ARU TB Inj Pump</i>	Turn Around ☒ Routine ☐ Rush	Pres. Code	ANALYSIS REQUEST										Preservative Codes	
P Project Number:	Due Date:													None: NO
Project Location: <i>Lea Co. NM</i>	TAT starts the day received by the lab, if received by 4:30pm													Cool: Cool
Sampler's Name: <i>Cindy Crain</i>														HCL: HC
PO #:														H ₂ SO ₄ : H ₂
SAMPLE RECEIPT			Temp Blank:	Yes	No	Wet Ice:	Yes	No						H ₃ PO ₄ : HP
Samples Received Intact:	Yes	No	Thermometer ID:											NaHSO ₄ : NABIS
Cooler Custody Seals:	Yes	No	Correction Factor:											Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes	No	Temperature Reading:											Zn Acetate+NaOH: Zn
Total Containers:			Corrected Temperature:											NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Sample Comments
S-23 (4.1-6')	S	11/15/25	1420	4.1-6'	C	1	TPH 8015 M
S-24 (4.1-6')	S	11/15/25	1425	4.1-6'	C	1	BTEX
							Chlorides

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature) <i>Cindy Crain</i>	Received by: (Signature) <i>[Signature]</i>	Date/Time 4/27 11/7	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		2			
3		4			
5		6			

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-53353-1

SDG Number: Lea Co. NM

Login Number: 53353

List Number: 1

Creator: Vasquez, Julisa

List Source: Eurofins Midland

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/10/2025 9:10:35 AM Revision 1

JOB DESCRIPTION

ARU #TB Inj. Pump
Lea Co. NM

JOB NUMBER

880-54896-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701



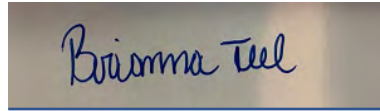
Eurofins Midland

Job Notes

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

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

Authorization



Generated
3/10/2025 9:10:35 AM
Revision 1

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

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Laboratory Job ID: 880-54896-1
SDG: Lea Co. NM

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Definitions/Glossary

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

Case Narrative

Client: Crain Environmental
Project: ARU #TB Inj. Pump

Job ID: 880-54896-1

Job ID: 880-54896-1

Eurofins Midland

**Job Narrative
880-54896-1**

REVISION

The report being provided is a revision of the original report sent on 3/6/2025. The report (revision 1) is being revised due to Revised to add new sample IDs per client email Sample ID: S-21 (0-4'): revise to S-21b (0-4') Sample ID: S-22 (0-4'): revise to S-22b (0-4') Sample ID: S-23 (0-4'): revise to S-23b (0-4') Sample ID: S-24 (0-4'): revise to S-24b (0-4').

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 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 2/26/2025 8:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-103716 and 880-103743 and analytical batch 880-103708 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-24b (0-4') (880-54896-9) and S-27 (4.5') (880-54896-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Diesel Range Organics

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: S-28 (4.5') (880-54896-13). Percent recoveries are based on the amount spiked.

Sample to run to be reanalyzed

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-22b (0-4') (880-54896-7), S-23b (0-4') (880-54896-8), S-24b (0-4') (880-54896-9), S-26 (4.5') (880-54896-11), S-31 (4.5') (880-54896-16) and S-32 (4.5') (880-54896-17). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-35 (4.5') (880-54896-20). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-28 (4.5') (880-54896-13). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-103756 and analytical batch 880-103850 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.

Eurofins Midland

Case Narrative

Client: Crain Environmental
Project: ARU #TB Inj. Pump

Job ID: 880-54896-1

Job ID: 880-54896-1 (Continued) **Eurofins Midland**

The associated sample is: S-38 (4.5') (880-54896-23).

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

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Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-1 (4.5')

Lab Sample ID: 880-54896-1

Date Collected: 02/25/25 10:30

Matrix: Solid

Date Received: 02/26/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 00:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 00:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 00:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 11:29	02/27/25 00:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 00:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 11:29	02/27/25 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	02/26/25 11:29	02/27/25 00:13	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/26/25 11:29	02/27/25 00:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/27/25 00:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/25 05:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/26/25 13:47	02/28/25 05:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 13:47	02/28/25 05:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 13:47	02/28/25 05:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	02/26/25 13:47	02/28/25 05:07	1
o-Terphenyl	80		70 - 130	02/26/25 13:47	02/28/25 05:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.1		9.94		mg/Kg			02/27/25 17:42	1

Client Sample ID: S-2 (4.5')

Lab Sample ID: 880-54896-2

Date Collected: 02/25/25 10:32

Matrix: Solid

Date Received: 02/26/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 00:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 00:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 00:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 11:29	02/27/25 00:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 00:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 11:29	02/27/25 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	02/26/25 11:29	02/27/25 00:34	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/26/25 11:29	02/27/25 00:34	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-2 (4.5')

Lab Sample ID: 880-54896-2

Date Collected: 02/25/25 10:32

Matrix: Solid

Date Received: 02/26/25 08:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/27/25 00:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/28/25 05:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/26/25 13:47	02/28/25 05:22	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 13:47	02/28/25 05:22	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 13:47	02/28/25 05:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				02/26/25 13:47	02/28/25 05:22	1
o-Terphenyl	76		70 - 130				02/26/25 13:47	02/28/25 05:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.7		10.0		mg/Kg			02/27/25 17:48	1

Client Sample ID: S-4 (4.5')

Lab Sample ID: 880-54896-3

Date Collected: 02/25/25 10:34

Matrix: Solid

Date Received: 02/26/25 08:35

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		02/26/25 11:29	02/27/25 00:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 00:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 00:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 11:29	02/27/25 00:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 00:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 11:29	02/27/25 00:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				02/26/25 11:29	02/27/25 00:54	1
1,4-Difluorobenzene (Surr)	105		70 - 130				02/26/25 11:29	02/27/25 00:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/27/25 00:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/25 05:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/26/25 13:47	02/28/25 05:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 13:47	02/28/25 05:37	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-4 (4.5')

Lab Sample ID: 880-54896-3

Date Collected: 02/25/25 10:34

Matrix: Solid

Date Received: 02/26/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 13:47	02/28/25 05:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				02/26/25 13:47	02/28/25 05:37	1
o-Terphenyl	78		70 - 130				02/26/25 13:47	02/28/25 05:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.1		10.0		mg/Kg			02/27/25 21:14	1

Client Sample ID: S-5 (4.5')

Lab Sample ID: 880-54896-4

Date Collected: 02/25/25 10:36

Matrix: Solid

Date Received: 02/26/25 08:35

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		02/26/25 11:29	02/27/25 01:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/26/25 11:29	02/27/25 01:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/26/25 11:29	02/27/25 01:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/26/25 11:29	02/27/25 01:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/26/25 11:29	02/27/25 01:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/26/25 11:29	02/27/25 01:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				02/26/25 11:29	02/27/25 01:15	1
1,4-Difluorobenzene (Surr)	111		70 - 130				02/26/25 11:29	02/27/25 01:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/27/25 01:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/28/25 05:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/26/25 13:47	02/28/25 05:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 13:47	02/28/25 05:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 13:47	02/28/25 05:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				02/26/25 13:47	02/28/25 05:53	1
o-Terphenyl	82		70 - 130				02/26/25 13:47	02/28/25 05:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.8		10.1		mg/Kg			02/27/25 21:31	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-6 (0-4')

Lab Sample ID: 880-54896-5

Date Collected: 02/25/25 10:38

Matrix: Solid

Date Received: 02/26/25 08:35

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		02/26/25 11:29	02/27/25 01:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 01:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 01:35	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 11:29	02/27/25 01:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 01:35	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 11:29	02/27/25 01:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	02/26/25 11:29	02/27/25 01:35	1
1,4-Difluorobenzene (Surr)	103		70 - 130	02/26/25 11:29	02/27/25 01:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/27/25 01:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/28/25 06:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/26/25 13:47	02/28/25 06:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 13:47	02/28/25 06:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 13:47	02/28/25 06:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	02/26/25 13:47	02/28/25 06:07	1
o-Terphenyl	79		70 - 130	02/26/25 13:47	02/28/25 06:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.1		10.0		mg/Kg			02/27/25 21:37	1

Client Sample ID: S-21b (0-4')

Lab Sample ID: 880-54896-6

Date Collected: 02/25/25 10:40

Matrix: Solid

Date Received: 02/26/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 01:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 01:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 01:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 11:29	02/27/25 01:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 01:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 11:29	02/27/25 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	02/26/25 11:29	02/27/25 01:55	1
1,4-Difluorobenzene (Surr)	104		70 - 130	02/26/25 11:29	02/27/25 01:55	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-21b (0-4')

Lab Sample ID: 880-54896-6

Date Collected: 02/25/25 10:40

Matrix: Solid

Date Received: 02/26/25 08:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/27/25 01:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/28/25 06:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/26/25 13:47	02/28/25 06:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 13:47	02/28/25 06:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 13:47	02/28/25 06:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				02/26/25 13:47	02/28/25 06:23	1
o-Terphenyl	79		70 - 130				02/26/25 13:47	02/28/25 06:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.4		10.0		mg/Kg			02/27/25 21:43	1

Client Sample ID: S-22b (0-4')

Lab Sample ID: 880-54896-7

Date Collected: 02/25/25 10:42

Matrix: Solid

Date Received: 02/26/25 08:35

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		02/26/25 11:29	02/27/25 02:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 02:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 02:16	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/26/25 11:29	02/27/25 02:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 02:16	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/26/25 11:29	02/27/25 02:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130				02/26/25 11:29	02/27/25 02:16	1
1,4-Difluorobenzene (Surr)	102		70 - 130				02/26/25 11:29	02/27/25 02:16	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/27/25 02:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/28/25 01:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/26/25 13:50	02/28/25 01:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 13:50	02/28/25 01:38	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-22b (0-4')

Lab Sample ID: 880-54896-7

Date Collected: 02/25/25 10:42

Matrix: Solid

Date Received: 02/26/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 13:50	02/28/25 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				02/26/25 13:50	02/28/25 01:38	1
o-Terphenyl	68	S1-	70 - 130				02/26/25 13:50	02/28/25 01:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.0		10.1		mg/Kg			02/27/25 21:49	1

Client Sample ID: S-23b (0-4')

Lab Sample ID: 880-54896-8

Date Collected: 02/25/25 10:44

Matrix: Solid

Date Received: 02/26/25 08:35

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		02/26/25 11:29	02/27/25 02:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 02:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 02:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 11:29	02/27/25 02:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 02:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 11:29	02/27/25 02:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				02/26/25 11:29	02/27/25 02:36	1
1,4-Difluorobenzene (Surr)	101		70 - 130				02/26/25 11:29	02/27/25 02:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/27/25 02:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/25 02:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/26/25 13:50	02/28/25 02:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 13:50	02/28/25 02:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 13:50	02/28/25 02:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				02/26/25 13:50	02/28/25 02:23	1
o-Terphenyl	69	S1-	70 - 130				02/26/25 13:50	02/28/25 02:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.4		9.94		mg/Kg			02/27/25 22:07	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-24b (0-4')

Lab Sample ID: 880-54896-9

Date Collected: 02/25/25 10:46

Matrix: Solid

Date Received: 02/26/25 08:35

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		02/26/25 11:29	02/27/25 02:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 02:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 02:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 11:29	02/27/25 02:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 02:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 11:29	02/27/25 02:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	02/26/25 11:29	02/27/25 02:57	1
1,4-Difluorobenzene (Surr)	102		70 - 130	02/26/25 11:29	02/27/25 02:57	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/27/25 02:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/28/25 02:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 02:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 02:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 02:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	02/26/25 13:50	02/28/25 02:38	1
o-Terphenyl	67	S1-	70 - 130	02/26/25 13:50	02/28/25 02:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.9		9.92		mg/Kg			02/27/25 22:13	1

Client Sample ID: S-25 (4.5')

Lab Sample ID: 880-54896-10

Date Collected: 02/25/25 10:48

Matrix: Solid

Date Received: 02/26/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/26/25 11:29	02/27/25 03:17	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/26/25 11:29	02/27/25 03:17	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/26/25 11:29	02/27/25 03:17	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/26/25 11:29	02/27/25 03:17	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/26/25 11:29	02/27/25 03:17	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/26/25 11:29	02/27/25 03:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/26/25 11:29	02/27/25 03:17	1
1,4-Difluorobenzene (Surr)	102		70 - 130	02/26/25 11:29	02/27/25 03:17	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-25 (4.5')

Lab Sample ID: 880-54896-10

Date Collected: 02/25/25 10:48

Matrix: Solid

Date Received: 02/26/25 08:35

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			02/27/25 03:17	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			02/28/25 02:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/26/25 13:50	02/28/25 02:55	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/26/25 13:50	02/28/25 02:55	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/26/25 13:50	02/28/25 02:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				02/26/25 13:50	02/28/25 02:55	1
o-Terphenyl	72		70 - 130				02/26/25 13:50	02/28/25 02:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.9		10.1		mg/Kg			02/27/25 22:19	1

Client Sample ID: S-26 (4.5')

Lab Sample ID: 880-54896-11

Date Collected: 02/25/25 10:49

Matrix: Solid

Date Received: 02/26/25 08:35

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		02/26/25 11:29	02/27/25 05:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/26/25 11:29	02/27/25 05:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/26/25 11:29	02/27/25 05:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/26/25 11:29	02/27/25 05:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/26/25 11:29	02/27/25 05:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/26/25 11:29	02/27/25 05:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				02/26/25 11:29	02/27/25 05:08	1
1,4-Difluorobenzene (Surr)	101		70 - 130				02/26/25 11:29	02/27/25 05:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/27/25 05:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/28/25 03:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/26/25 13:50	02/28/25 03:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 13:50	02/28/25 03:09	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-26 (4.5')

Lab Sample ID: 880-54896-11

Date Collected: 02/25/25 10:49

Matrix: Solid

Date Received: 02/26/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 13:50	02/28/25 03:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				02/26/25 13:50	02/28/25 03:09	1
o-Terphenyl	64	S1-	70 - 130				02/26/25 13:50	02/28/25 03:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.8		9.96		mg/Kg			02/27/25 22:24	1

Client Sample ID: S-27 (4.5')

Lab Sample ID: 880-54896-12

Date Collected: 02/25/25 10:50

Matrix: Solid

Date Received: 02/26/25 08:35

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		02/26/25 11:29	02/27/25 05:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 05:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 05:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 11:29	02/27/25 05:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 05:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 11:29	02/27/25 05:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				02/26/25 11:29	02/27/25 05:28	1
1,4-Difluorobenzene (Surr)	110		70 - 130				02/26/25 11:29	02/27/25 05:28	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/27/25 05:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/28/25 03:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 03:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 03:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 03:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				02/26/25 13:50	02/28/25 03:23	1
o-Terphenyl	70		70 - 130				02/26/25 13:50	02/28/25 03:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.7		9.98		mg/Kg			02/27/25 22:30	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-28 (4.5')

Lab Sample ID: 880-54896-13

Date Collected: 02/25/25 10:51

Matrix: Solid

Date Received: 02/26/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 05:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 05:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 05:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 11:29	02/27/25 05:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 05:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 11:29	02/27/25 05:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	02/26/25 11:29	02/27/25 05:48	1
1,4-Difluorobenzene (Surr)	107		70 - 130	02/26/25 11:29	02/27/25 05:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/27/25 05:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/28/25 03:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/26/25 13:50	02/28/25 03:38	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/26/25 13:50	02/28/25 03:38	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/26/25 13:50	02/28/25 03:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130	02/26/25 13:50	02/28/25 03:38	1
o-Terphenyl	61	S1-	70 - 130	02/26/25 13:50	02/28/25 03:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.5		10.0		mg/Kg			02/27/25 22:36	1

Client Sample ID: S-29 (4.5')

Lab Sample ID: 880-54896-14

Date Collected: 02/25/25 10:52

Matrix: Solid

Date Received: 02/26/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 06:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 06:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 06:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 11:29	02/27/25 06:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 06:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 11:29	02/27/25 06:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	02/26/25 11:29	02/27/25 06:09	1
1,4-Difluorobenzene (Surr)	106		70 - 130	02/26/25 11:29	02/27/25 06:09	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-29 (4.5')

Lab Sample ID: 880-54896-14

Date Collected: 02/25/25 10:52

Matrix: Solid

Date Received: 02/26/25 08:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/27/25 06:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/28/25 03:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 03:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 03:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 03:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				02/26/25 13:50	02/28/25 03:53	1
o-Terphenyl	70		70 - 130				02/26/25 13:50	02/28/25 03:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/27/25 22:54	1

Client Sample ID: S-30 (4.5')

Lab Sample ID: 880-54896-15

Date Collected: 02/25/25 10:53

Matrix: Solid

Date Received: 02/26/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/26/25 11:29	02/27/25 06:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/26/25 11:29	02/27/25 06:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/26/25 11:29	02/27/25 06:29	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/26/25 11:29	02/27/25 06:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/26/25 11:29	02/27/25 06:29	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/26/25 11:29	02/27/25 06:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				02/26/25 11:29	02/27/25 06:29	1
1,4-Difluorobenzene (Surr)	106		70 - 130				02/26/25 11:29	02/27/25 06:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/27/25 06:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/28/25 04:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/26/25 13:50	02/28/25 04:08	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/26/25 13:50	02/28/25 04:08	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-30 (4.5')

Lab Sample ID: 880-54896-15

Date Collected: 02/25/25 10:53

Matrix: Solid

Date Received: 02/26/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/26/25 13:50	02/28/25 04:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				02/26/25 13:50	02/28/25 04:08	1
o-Terphenyl	71		70 - 130				02/26/25 13:50	02/28/25 04:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<9.94	U	9.94		mg/Kg			02/27/25 23:00	1

Client Sample ID: S-31 (4.5')

Lab Sample ID: 880-54896-16

Date Collected: 02/25/25 10:54

Matrix: Solid

Date Received: 02/26/25 08:35

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		02/26/25 11:29	02/27/25 06:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 06:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 06:50	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/26/25 11:29	02/27/25 06:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 06:50	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/26/25 11:29	02/27/25 06:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				02/26/25 11:29	02/27/25 06:50	1
1,4-Difluorobenzene (Surr)	105		70 - 130				02/26/25 11:29	02/27/25 06:50	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/27/25 06:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/28/25 04:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 04:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 04:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 04:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				02/26/25 13:50	02/28/25 04:23	1
o-Terphenyl	67	S1-	70 - 130				02/26/25 13:50	02/28/25 04:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.9		9.92		mg/Kg			02/27/25 23:17	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-32 (4.5')

Lab Sample ID: 880-54896-17

Date Collected: 02/25/25 10:55

Matrix: Solid

Date Received: 02/26/25 08:35

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		02/26/25 11:29	02/27/25 07:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 07:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 07:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 11:29	02/27/25 07:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 07:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 11:29	02/27/25 07:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/26/25 11:29	02/27/25 07:10	1
1,4-Difluorobenzene (Surr)	113		70 - 130	02/26/25 11:29	02/27/25 07:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/27/25 07:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/25 04:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/26/25 13:50	02/28/25 04:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/26/25 13:50	02/28/25 04:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 13:50	02/28/25 04:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	02/26/25 13:50	02/28/25 04:53	1
o-Terphenyl	69	S1-	70 - 130	02/26/25 13:50	02/28/25 04:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.0		10.1		mg/Kg			02/27/25 23:23	1

Client Sample ID: S-33 (4.5')

Lab Sample ID: 880-54896-18

Date Collected: 02/25/25 10:57

Matrix: Solid

Date Received: 02/26/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 07:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 07:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 07:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 11:29	02/27/25 07:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 07:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 11:29	02/27/25 07:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/26/25 11:29	02/27/25 07:31	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/26/25 11:29	02/27/25 07:31	1

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Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-33 (4.5')

Lab Sample ID: 880-54896-18

Date Collected: 02/25/25 10:57

Matrix: Solid

Date Received: 02/26/25 08:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/27/25 07:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/28/25 05:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 05:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 05:07	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 05:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				02/26/25 13:50	02/28/25 05:07	1
o-Terphenyl	71		70 - 130				02/26/25 13:50	02/28/25 05:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.9		9.96		mg/Kg			02/27/25 23:29	1

Client Sample ID: S-34 (4.5')

Lab Sample ID: 880-54896-19

Date Collected: 02/25/25 10:59

Matrix: Solid

Date Received: 02/26/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 07:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 07:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 07:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/26/25 11:29	02/27/25 07:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/26/25 11:29	02/27/25 07:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/26/25 11:29	02/27/25 07:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				02/26/25 11:29	02/27/25 07:51	1
1,4-Difluorobenzene (Surr)	105		70 - 130				02/26/25 11:29	02/27/25 07:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/27/25 07:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	560		50.0		mg/Kg			02/28/25 05:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/26/25 13:50	02/28/25 05:22	1
Diesel Range Organics (Over C10-C28)	560		50.0		mg/Kg		02/26/25 13:50	02/28/25 05:22	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-34 (4.5')

Lab Sample ID: 880-54896-19

Date Collected: 02/25/25 10:59

Matrix: Solid

Date Received: 02/26/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 13:50	02/28/25 05:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				02/26/25 13:50	02/28/25 05:22	1
o-Terphenyl	74		70 - 130				02/26/25 13:50	02/28/25 05:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	301		9.94		mg/Kg			02/27/25 23:35	1

Client Sample ID: S-35 (4.5')

Lab Sample ID: 880-54896-20

Date Collected: 02/25/25 11:00

Matrix: Solid

Date Received: 02/26/25 08:35

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		02/26/25 11:29	02/27/25 08:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 08:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 08:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/26/25 11:29	02/27/25 08:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/27/25 08:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/26/25 11:29	02/27/25 08:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				02/26/25 11:29	02/27/25 08:12	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/26/25 11:29	02/27/25 08:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/27/25 08:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	720		49.8		mg/Kg			02/28/25 05:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 05:37	1
Diesel Range Organics (Over C10-C28)	720		49.8		mg/Kg		02/26/25 13:50	02/28/25 05:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 05:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				02/26/25 13:50	02/28/25 05:37	1
o-Terphenyl	74		70 - 130				02/26/25 13:50	02/28/25 05:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	352		9.92		mg/Kg			02/27/25 23:41	1

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Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-36 (4.5')

Lab Sample ID: 880-54896-21

Date Collected: 02/25/25 11:02

Matrix: Solid

Date Received: 02/26/25 08:35

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		02/27/25 08:49	02/28/25 03:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/28/25 03:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/28/25 03:36	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/27/25 08:49	02/28/25 03:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/28/25 03:36	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/27/25 08:49	02/28/25 03:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	02/27/25 08:49	02/28/25 03:36	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/27/25 08:49	02/28/25 03:36	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/28/25 03:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	555		49.8		mg/Kg			02/28/25 05:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 05:53	1
Diesel Range Organics (Over C10-C28)	555		49.8		mg/Kg		02/26/25 13:50	02/28/25 05:53	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/26/25 13:50	02/28/25 05:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130	02/26/25 13:50	02/28/25 05:53	1
o-Terphenyl	72		70 - 130	02/26/25 13:50	02/28/25 05:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		10.0		mg/Kg			02/27/25 23:47	1

Client Sample ID: S-37 (4.5')

Lab Sample ID: 880-54896-22

Date Collected: 02/25/25 11:04

Matrix: Solid

Date Received: 02/26/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:08	02/27/25 17:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:08	02/27/25 17:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:08	02/27/25 17:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/27/25 08:08	02/27/25 17:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/27/25 08:08	02/27/25 17:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/27/25 08:08	02/27/25 17:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	02/27/25 08:08	02/27/25 17:45	1
1,4-Difluorobenzene (Surr)	114		70 - 130	02/27/25 08:08	02/27/25 17:45	1

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Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-37 (4.5')

Lab Sample ID: 880-54896-22

Date Collected: 02/25/25 11:04

Matrix: Solid

Date Received: 02/26/25 08:35

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/27/25 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	581		49.9		mg/Kg			02/28/25 06:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/26/25 13:50	02/28/25 06:07	1
Diesel Range Organics (Over C10-C28)	581		49.9		mg/Kg		02/26/25 13:50	02/28/25 06:07	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/26/25 13:50	02/28/25 06:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				02/26/25 13:50	02/28/25 06:07	1
o-Terphenyl	76		70 - 130				02/26/25 13:50	02/28/25 06:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	461		9.94		mg/Kg			02/27/25 23:52	1

Client Sample ID: S-38 (4.5')

Lab Sample ID: 880-54896-23

Date Collected: 02/25/25 11:06

Matrix: Solid

Date Received: 02/26/25 08:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/27/25 08:08	02/27/25 18:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/27/25 08:08	02/27/25 18:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/27/25 08:08	02/27/25 18:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/27/25 08:08	02/27/25 18:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/27/25 08:08	02/27/25 18:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/27/25 08:08	02/27/25 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				02/27/25 08:08	02/27/25 18:05	1
1,4-Difluorobenzene (Surr)	112		70 - 130				02/27/25 08:08	02/27/25 18:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/27/25 18:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	159		50.0		mg/Kg			02/28/25 06:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/26/25 13:50	02/28/25 06:23	1
Diesel Range Organics (Over C10-C28)	159		50.0		mg/Kg		02/26/25 13:50	02/28/25 06:23	1

Eurofins Midland

Client Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-38 (4.5')
Date Collected: 02/25/25 11:06
Date Received: 02/26/25 08:35

Lab Sample ID: 880-54896-23
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 13:50	02/28/25 06:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				02/26/25 13:50	02/28/25 06:23	1
o-Terphenyl	71		70 - 130				02/26/25 13:50	02/28/25 06:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.8		9.98		mg/Kg			02/28/25 02:19	1

Surrogate Summary

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-54896-1	S-1 (4.5')	91	97
880-54896-1 MS	S-1 (4.5')	123	99
880-54896-1 MSD	S-1 (4.5')	118	98
880-54896-2	S-2 (4.5')	121	101
880-54896-3	S-4 (4.5')	118	105
880-54896-4	S-5 (4.5')	112	111
880-54896-5	S-6 (0-4')	122	103
880-54896-6	S-21b (0-4')	129	104
880-54896-7	S-22b (0-4')	124	102
880-54896-8	S-23b (0-4')	121	101
880-54896-9	S-24b (0-4')	131 S1+	102
880-54896-10	S-25 (4.5')	123	102
880-54896-11	S-26 (4.5')	106	101
880-54896-12	S-27 (4.5')	132 S1+	110
880-54896-13	S-28 (4.5')	128	107
880-54896-14	S-29 (4.5')	129	106
880-54896-15	S-30 (4.5')	121	106
880-54896-16	S-31 (4.5')	111	105
880-54896-17	S-32 (4.5')	123	113
880-54896-18	S-33 (4.5')	123	100
880-54896-19	S-34 (4.5')	112	105
880-54896-20	S-35 (4.5')	107	98
880-54896-21	S-36 (4.5')	111	95
880-54896-22	S-37 (4.5')	111	114
880-54896-23	S-38 (4.5')	115	112
LCS 880-103743/1-A	Lab Control Sample	113	103
LCS 880-103801/1-A	Lab Control Sample	95	108
LCS 880-103822/1-A	Lab Control Sample	97	110
LCSD 880-103743/2-A	Lab Control Sample Dup	100	97
LCSD 880-103801/2-A	Lab Control Sample Dup	98	107
LCSD 880-103822/2-A	Lab Control Sample Dup	94	105
MB 880-103716/5-A	Method Blank	214 S1+	124
MB 880-103743/5-A	Method Blank	146 S1+	87
MB 880-103801/5-A	Method Blank	98	93
MB 880-103804/5-A	Method Blank	108	89
MB 880-103822/5-A	Method Blank	111	89

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-54896-1	S-1 (4.5')	90	80
880-54896-2	S-2 (4.5')	87	76
880-54896-3	S-4 (4.5')	87	78

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Surrogate Summary

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-54896-4	S-5 (4.5')	93	82
880-54896-5	S-6 (0-4')	88	79
880-54896-6	S-21b (0-4')	89	79
880-54896-7	S-22b (0-4')	76	68 S1-
880-54896-7 MS	S-22b (0-4')	84	71
880-54896-7 MSD	S-22b (0-4')	84	71
880-54896-8	S-23b (0-4')	78	69 S1-
880-54896-9	S-24b (0-4')	75	67 S1-
880-54896-10	S-25 (4.5')	80	72
880-54896-11	S-26 (4.5')	71	64 S1-
880-54896-12	S-27 (4.5')	80	70
880-54896-13	S-28 (4.5')	69 S1-	61 S1-
880-54896-14	S-29 (4.5')	79	70
880-54896-15	S-30 (4.5')	79	71
880-54896-16	S-31 (4.5')	78	67 S1-
880-54896-17	S-32 (4.5')	78	69 S1-
880-54896-18	S-33 (4.5')	79	71
880-54896-19	S-34 (4.5')	72	74
880-54896-20	S-35 (4.5')	68 S1-	74
880-54896-21	S-36 (4.5')	71	72
880-54896-22	S-37 (4.5')	73	76
880-54896-23	S-38 (4.5')	78	71
LCS 880-103747/2-A	Lab Control Sample	92	79
LCS 880-103748/2-A	Lab Control Sample	89	78
LCS 880-103892/2-A	Lab Control Sample	102	90
LCSD 880-103747/3-A	Lab Control Sample Dup	92	81
LCSD 880-103748/3-A	Lab Control Sample Dup	88	77
LCSD 880-103892/3-A	Lab Control Sample Dup	99	88
MB 880-103747/1-A	Method Blank	101	90
MB 880-103748/1-A	Method Blank	107	97
MB 880-103892/1-A	Method Blank	106	95

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-103716/5-A

Matrix: Solid

Analysis Batch: 103708

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 12:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 12:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 12:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/26/25 09:11	02/26/25 12:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 09:11	02/26/25 12:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/26/25 09:11	02/26/25 12:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	214	S1+	70 - 130	02/26/25 09:11	02/26/25 12:08	1
1,4-Difluorobenzene (Surr)	124		70 - 130	02/26/25 09:11	02/26/25 12:08	1

Lab Sample ID: MB 880-103743/5-A

Matrix: Solid

Analysis Batch: 103708

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103743

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/26/25 23:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/26/25 23:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/26/25 23:45	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/26/25 11:29	02/26/25 23:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/26/25 11:29	02/26/25 23:45	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/26/25 11:29	02/26/25 23:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130	02/26/25 11:29	02/26/25 23:45	1
1,4-Difluorobenzene (Surr)	87		70 - 130	02/26/25 11:29	02/26/25 23:45	1

Lab Sample ID: LCS 880-103743/1-A

Matrix: Solid

Analysis Batch: 103708

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1137		mg/Kg		114	70 - 130
Toluene	0.100	0.1107		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1146		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2428		mg/Kg		121	70 - 130
o-Xylene	0.100	0.1166		mg/Kg		117	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-103743/2-A

Matrix: Solid

Analysis Batch: 103708

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 103743

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1098		mg/Kg		110	70 - 130	3	35

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QC Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

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

Lab Sample ID: LCSD 880-103743/2-A

Matrix: Solid

Analysis Batch: 103708

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 103743

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.1119		mg/Kg		112	70 - 130	1	35
Ethylbenzene	0.100	0.09924		mg/Kg		99	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.1941		mg/Kg		97	70 - 130	22	35
o-Xylene	0.100	0.1033		mg/Kg		103	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 880-54896-1 MS

Matrix: Solid

Analysis Batch: 103708

Client Sample ID: S-1 (4.5')

Prep Type: Total/NA

Prep Batch: 103743

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.1099		mg/Kg		110	70 - 130
Toluene	<0.00199	U	0.100	0.1087		mg/Kg		109	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.1058		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2368		mg/Kg		118	70 - 130
o-Xylene	<0.00199	U	0.100	0.1160		mg/Kg		116	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-54896-1 MSD

Matrix: Solid

Analysis Batch: 103708

Client Sample ID: S-1 (4.5')

Prep Type: Total/NA

Prep Batch: 103743

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1081		mg/Kg		108	70 - 130	2	35
Toluene	<0.00199	U	0.100	0.1031		mg/Kg		103	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.100	0.1036		mg/Kg		104	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2337		mg/Kg		117	70 - 130	1	35
o-Xylene	<0.00199	U	0.100	0.1146		mg/Kg		115	70 - 130	1	35

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

Lab Sample ID: MB 880-103801/5-A

Matrix: Solid

Analysis Batch: 103809

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103801

Analyte	MB Result	MB 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

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-103801/5-A

Matrix: Solid

Analysis Batch: 103809

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103801

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

Surrogate	MB %Recovery	MB 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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103801

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

Surrogate	LCS %Recovery	LCS 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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 103801

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%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
m-Xylene & p-Xylene	0.200	0.1998		mg/Kg		100	70 - 130	7	35
o-Xylene	0.100	0.1013		mg/Kg		101	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: MB 880-103804/5-A

Matrix: Solid

Analysis Batch: 103807

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103804

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:16	02/27/25 11:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:16	02/27/25 11:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:16	02/27/25 11:34	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/27/25 08:16	02/27/25 11:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:16	02/27/25 11:34	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/27/25 08:16	02/27/25 11:34	1

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QC Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	02/27/25 08:16	02/27/25 11:34	1
1,4-Difluorobenzene (Surr)	89		70 - 130	02/27/25 08:16	02/27/25 11:34	1

Lab Sample ID: MB 880-103822/5-A

Matrix: Solid

Analysis Batch: 103807

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/27/25 22:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/27/25 22:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/27/25 22:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/27/25 08:49	02/27/25 22:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/27/25 08:49	02/27/25 22:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/27/25 08:49	02/27/25 22:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	02/27/25 08:49	02/27/25 22:26	1
1,4-Difluorobenzene (Surr)	89		70 - 130	02/27/25 08:49	02/27/25 22:26	1

Lab Sample ID: LCS 880-103822/1-A

Matrix: Solid

Analysis Batch: 103807

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1205		mg/Kg		121	70 - 130
Toluene	0.100	0.1198		mg/Kg		120	70 - 130
Ethylbenzene	0.100	0.1075		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2181		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1098		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-103822/2-A

Matrix: Solid

Analysis Batch: 103807

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 103822

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1142		mg/Kg		114	70 - 130	5	35
Toluene	0.100	0.1149		mg/Kg		115	70 - 130	4	35
Ethylbenzene	0.100	0.1021		mg/Kg		102	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2057		mg/Kg		103	70 - 130	6	35
o-Xylene	0.100	0.1037		mg/Kg		104	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

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QC Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-103747/1-A

Matrix: Solid

Analysis Batch: 103814

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103747

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/26/25 13:47	02/28/25 00:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 13:47	02/28/25 00:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 13:47	02/28/25 00:54	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				02/26/25 13:47	02/28/25 00:54	1
o-Terphenyl	90		70 - 130				02/26/25 13:47	02/28/25 00:54	1

Lab Sample ID: LCS 880-103747/2-A

Matrix: Solid

Analysis Batch: 103814

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103747

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1074		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	924.6		mg/Kg		92	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	92		70 - 130				
o-Terphenyl	79		70 - 130				

Lab Sample ID: LCSD 880-103747/3-A

Matrix: Solid

Analysis Batch: 103814

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 103747

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1062		mg/Kg		106	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	932.9		mg/Kg		93	70 - 130	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	92		70 - 130						
o-Terphenyl	81		70 - 130						

Lab Sample ID: MB 880-103748/1-A

Matrix: Solid

Analysis Batch: 103816

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103748

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/26/25 13:50	02/28/25 00:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/26/25 13:50	02/28/25 00:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/26/25 13:50	02/28/25 00:54	1

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

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

Lab Sample ID: MB 880-103748/1-A

Matrix: Solid

Analysis Batch: 103816

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103748

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	02/26/25 13:50	02/28/25 00:54	1
o-Terphenyl	97		70 - 130	02/26/25 13:50	02/28/25 00:54	1

Lab Sample ID: LCS 880-103748/2-A

Matrix: Solid

Analysis Batch: 103816

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103748

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	977.9		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	966.8		mg/Kg		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: LCSD 880-103748/3-A

Matrix: Solid

Analysis Batch: 103816

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 103748

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	964.3		mg/Kg		96	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	938.4		mg/Kg		94	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	77		70 - 130

Lab Sample ID: 880-54896-7 MS

Matrix: Solid

Analysis Batch: 103816

Client Sample ID: S-22b (0-4')

Prep Type: Total/NA

Prep Batch: 103748

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	784.0		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	996	784.2		mg/Kg		79	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	71		70 - 130

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

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

Lab Sample ID: 880-54896-7 MSD

Matrix: Solid

Analysis Batch: 103816

Client Sample ID: S-22b (0-4')

Prep Type: Total/NA

Prep Batch: 103748

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	996	770.7		mg/Kg		77	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	996	765.2		mg/Kg		77	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	84		70 - 130								
o-Terphenyl	71		70 - 130								

Lab Sample ID: MB 880-103892/1-A

Matrix: Solid

Analysis Batch: 103971

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 103892

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/27/25 14:55	02/28/25 07:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/27/25 14:55	02/28/25 07:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/27/25 14:55	02/28/25 07:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				02/27/25 14:55	02/28/25 07:35	1
o-Terphenyl	95		70 - 130				02/27/25 14:55	02/28/25 07:35	1

Lab Sample ID: LCS 880-103892/2-A

Matrix: Solid

Analysis Batch: 103971

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 103892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1255		mg/Kg		126	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	1169		mg/Kg		117	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	102		70 - 130						
o-Terphenyl	90		70 - 130						

Lab Sample ID: LCSD 880-103892/3-A

Matrix: Solid

Analysis Batch: 103971

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 103892

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1230		mg/Kg		123	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1085		mg/Kg		108	70 - 130	8	20

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

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

Lab Sample ID: LCSD 880-103892/3-A

Matrix: Solid

Analysis Batch: 103971

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 103892

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	88		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-103753/1-A

Matrix: Solid

Analysis Batch: 103836

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Chloride	<10.0	U		10.0		mg/Kg			02/27/25 14:45	1

Lab Sample ID: LCS 880-103753/2-A

Matrix: Solid

Analysis Batch: 103836

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte		Spike	LCS	LCS	Unit	D	%Rec	%Rec	
		Added	Result	Qualifier				Limits	
Chloride		250	240.9		mg/Kg		96	90 - 110	

Lab Sample ID: LCSD 880-103753/3-A

Matrix: Solid

Analysis Batch: 103836

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte		Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
		Added	Result	Qualifier				Limits	RPD	Limit
Chloride		250	241.3		mg/Kg		97	90 - 110	0	20

Lab Sample ID: MB 880-103755/1-A

Matrix: Solid

Analysis Batch: 103840

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Chloride	<10.0	U		10.0		mg/Kg			02/27/25 20:56	1

Lab Sample ID: LCS 880-103755/2-A

Matrix: Solid

Analysis Batch: 103840

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte		Spike	LCS	LCS	Unit	D	%Rec	%Rec	
		Added	Result	Qualifier				Limits	
Chloride		250	254.4		mg/Kg		102	90 - 110	

Lab Sample ID: LCSD 880-103755/3-A

Matrix: Solid

Analysis Batch: 103840

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte		Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
		Added	Result	Qualifier				Limits	RPD	Limit
Chloride		250	255.0		mg/Kg		102	90 - 110	0	20

Eurofins Midland

QC Sample Results

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-54896-3 MS

Matrix: Solid

Analysis Batch: 103840

Client Sample ID: S-4 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	30.1		251	293.9		mg/Kg		105	90 - 110		

Lab Sample ID: 880-54896-3 MSD

Matrix: Solid

Analysis Batch: 103840

Client Sample ID: S-4 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	30.1		251	293.9		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-54896-13 MS

Matrix: Solid

Analysis Batch: 103840

Client Sample ID: S-28 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	33.5		251	298.2		mg/Kg		106	90 - 110		

Lab Sample ID: 880-54896-13 MSD

Matrix: Solid

Analysis Batch: 103840

Client Sample ID: S-28 (4.5')

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	33.5		251	298.5		mg/Kg		106	90 - 110	0	20

Lab Sample ID: MB 880-103756/1-A

Matrix: Solid

Analysis Batch: 103850

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			02/28/25 00:22	1

Lab Sample ID: LCS 880-103756/2-A

Matrix: Solid

Analysis Batch: 103850

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride		250	261.4		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-103756/3-A

Matrix: Solid

Analysis Batch: 103850

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride		250	262.2		mg/Kg		105	90 - 110	0	20

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QC Association Summary

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

GC VOA

Analysis Batch: 103708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-1	S-1 (4.5')	Total/NA	Solid	8021B	103743
880-54896-2	S-2 (4.5')	Total/NA	Solid	8021B	103743
880-54896-3	S-4 (4.5')	Total/NA	Solid	8021B	103743
880-54896-4	S-5 (4.5')	Total/NA	Solid	8021B	103743
880-54896-5	S-6 (0-4')	Total/NA	Solid	8021B	103743
880-54896-6	S-21b (0-4')	Total/NA	Solid	8021B	103743
880-54896-7	S-22b (0-4')	Total/NA	Solid	8021B	103743
880-54896-8	S-23b (0-4')	Total/NA	Solid	8021B	103743
880-54896-9	S-24b (0-4')	Total/NA	Solid	8021B	103743
880-54896-10	S-25 (4.5')	Total/NA	Solid	8021B	103743
880-54896-11	S-26 (4.5')	Total/NA	Solid	8021B	103743
880-54896-12	S-27 (4.5')	Total/NA	Solid	8021B	103743
880-54896-13	S-28 (4.5')	Total/NA	Solid	8021B	103743
880-54896-14	S-29 (4.5')	Total/NA	Solid	8021B	103743
880-54896-15	S-30 (4.5')	Total/NA	Solid	8021B	103743
880-54896-16	S-31 (4.5')	Total/NA	Solid	8021B	103743
880-54896-17	S-32 (4.5')	Total/NA	Solid	8021B	103743
880-54896-18	S-33 (4.5')	Total/NA	Solid	8021B	103743
880-54896-19	S-34 (4.5')	Total/NA	Solid	8021B	103743
880-54896-20	S-35 (4.5')	Total/NA	Solid	8021B	103743
MB 880-103716/5-A	Method Blank	Total/NA	Solid	8021B	103716
MB 880-103743/5-A	Method Blank	Total/NA	Solid	8021B	103743
LCS 880-103743/1-A	Lab Control Sample	Total/NA	Solid	8021B	103743
LCSD 880-103743/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103743
880-54896-1 MS	S-1 (4.5')	Total/NA	Solid	8021B	103743
880-54896-1 MSD	S-1 (4.5')	Total/NA	Solid	8021B	103743

Prep Batch: 103716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-103716/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 103743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-1	S-1 (4.5')	Total/NA	Solid	5035	
880-54896-2	S-2 (4.5')	Total/NA	Solid	5035	
880-54896-3	S-4 (4.5')	Total/NA	Solid	5035	
880-54896-4	S-5 (4.5')	Total/NA	Solid	5035	
880-54896-5	S-6 (0-4')	Total/NA	Solid	5035	
880-54896-6	S-21b (0-4')	Total/NA	Solid	5035	
880-54896-7	S-22b (0-4')	Total/NA	Solid	5035	
880-54896-8	S-23b (0-4')	Total/NA	Solid	5035	
880-54896-9	S-24b (0-4')	Total/NA	Solid	5035	
880-54896-10	S-25 (4.5')	Total/NA	Solid	5035	
880-54896-11	S-26 (4.5')	Total/NA	Solid	5035	
880-54896-12	S-27 (4.5')	Total/NA	Solid	5035	
880-54896-13	S-28 (4.5')	Total/NA	Solid	5035	
880-54896-14	S-29 (4.5')	Total/NA	Solid	5035	
880-54896-15	S-30 (4.5')	Total/NA	Solid	5035	
880-54896-16	S-31 (4.5')	Total/NA	Solid	5035	
880-54896-17	S-32 (4.5')	Total/NA	Solid	5035	
880-54896-18	S-33 (4.5')	Total/NA	Solid	5035	

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QC Association Summary

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

GC VOA (Continued)

Prep Batch: 103743 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-19	S-34 (4.5')	Total/NA	Solid	5035	
880-54896-20	S-35 (4.5')	Total/NA	Solid	5035	
MB 880-103743/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103743/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103743/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-54896-1 MS	S-1 (4.5')	Total/NA	Solid	5035	
880-54896-1 MSD	S-1 (4.5')	Total/NA	Solid	5035	

Prep Batch: 103801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-22	S-37 (4.5')	Total/NA	Solid	5035	
880-54896-23	S-38 (4.5')	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	

Prep Batch: 103804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-103804/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 103807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-21	S-36 (4.5')	Total/NA	Solid	8021B	103822
MB 880-103804/5-A	Method Blank	Total/NA	Solid	8021B	103804
MB 880-103822/5-A	Method Blank	Total/NA	Solid	8021B	103822
LCS 880-103822/1-A	Lab Control Sample	Total/NA	Solid	8021B	103822
LCSD 880-103822/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	103822

Analysis Batch: 103809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-22	S-37 (4.5')	Total/NA	Solid	8021B	103801
880-54896-23	S-38 (4.5')	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

Prep Batch: 103822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-21	S-36 (4.5')	Total/NA	Solid	5035	
MB 880-103822/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-103822/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-103822/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 104013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-1	S-1 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-2	S-2 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-3	S-4 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-4	S-5 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-5	S-6 (0-4')	Total/NA	Solid	Total BTEX	
880-54896-6	S-21b (0-4')	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

GC VOA (Continued)

Analysis Batch: 104013 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-7	S-22b (0-4')	Total/NA	Solid	Total BTEX	
880-54896-8	S-23b (0-4')	Total/NA	Solid	Total BTEX	
880-54896-9	S-24b (0-4')	Total/NA	Solid	Total BTEX	
880-54896-10	S-25 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-11	S-26 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-12	S-27 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-13	S-28 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-14	S-29 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-15	S-30 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-16	S-31 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-17	S-32 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-18	S-33 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-19	S-34 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-20	S-35 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-21	S-36 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-22	S-37 (4.5')	Total/NA	Solid	Total BTEX	
880-54896-23	S-38 (4.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 103747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-1	S-1 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-2	S-2 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-3	S-4 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-4	S-5 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-5	S-6 (0-4')	Total/NA	Solid	8015NM Prep	
880-54896-6	S-21b (0-4')	Total/NA	Solid	8015NM Prep	
MB 880-103747/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103747/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103747/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 103748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-7	S-22b (0-4')	Total/NA	Solid	8015NM Prep	
880-54896-8	S-23b (0-4')	Total/NA	Solid	8015NM Prep	
880-54896-9	S-24b (0-4')	Total/NA	Solid	8015NM Prep	
880-54896-10	S-25 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-11	S-26 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-12	S-27 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-13	S-28 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-14	S-29 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-15	S-30 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-16	S-31 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-17	S-32 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-18	S-33 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-19	S-34 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-20	S-35 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-21	S-36 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-22	S-37 (4.5')	Total/NA	Solid	8015NM Prep	
880-54896-23	S-38 (4.5')	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

GC Semi VOA (Continued)

Prep Batch: 103748 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-103748/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103748/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103748/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-54896-7 MS	S-22b (0-4')	Total/NA	Solid	8015NM Prep	
880-54896-7 MSD	S-22b (0-4')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 103814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-1	S-1 (4.5')	Total/NA	Solid	8015B NM	103747
880-54896-2	S-2 (4.5')	Total/NA	Solid	8015B NM	103747
880-54896-3	S-4 (4.5')	Total/NA	Solid	8015B NM	103747
880-54896-4	S-5 (4.5')	Total/NA	Solid	8015B NM	103747
880-54896-5	S-6 (0-4')	Total/NA	Solid	8015B NM	103747
880-54896-6	S-21b (0-4')	Total/NA	Solid	8015B NM	103747
MB 880-103747/1-A	Method Blank	Total/NA	Solid	8015B NM	103747
LCS 880-103747/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103747
LCSD 880-103747/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103747

Analysis Batch: 103816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-7	S-22b (0-4')	Total/NA	Solid	8015B NM	103748
880-54896-8	S-23b (0-4')	Total/NA	Solid	8015B NM	103748
880-54896-9	S-24b (0-4')	Total/NA	Solid	8015B NM	103748
880-54896-10	S-25 (4.5')	Total/NA	Solid	8015B NM	103748
880-54896-11	S-26 (4.5')	Total/NA	Solid	8015B NM	103748
880-54896-12	S-27 (4.5')	Total/NA	Solid	8015B NM	103748
880-54896-13	S-28 (4.5')	Total/NA	Solid	8015B NM	103748
880-54896-14	S-29 (4.5')	Total/NA	Solid	8015B NM	103748
880-54896-15	S-30 (4.5')	Total/NA	Solid	8015B NM	103748
880-54896-16	S-31 (4.5')	Total/NA	Solid	8015B NM	103748
880-54896-17	S-32 (4.5')	Total/NA	Solid	8015B NM	103748
880-54896-18	S-33 (4.5')	Total/NA	Solid	8015B NM	103748
880-54896-19	S-34 (4.5')	Total/NA	Solid	8015B NM	103748
880-54896-20	S-35 (4.5')	Total/NA	Solid	8015B NM	103748
880-54896-21	S-36 (4.5')	Total/NA	Solid	8015B NM	103748
880-54896-22	S-37 (4.5')	Total/NA	Solid	8015B NM	103748
880-54896-23	S-38 (4.5')	Total/NA	Solid	8015B NM	103748
MB 880-103748/1-A	Method Blank	Total/NA	Solid	8015B NM	103748
LCS 880-103748/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103748
LCSD 880-103748/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103748
880-54896-7 MS	S-22b (0-4')	Total/NA	Solid	8015B NM	103748
880-54896-7 MSD	S-22b (0-4')	Total/NA	Solid	8015B NM	103748

Prep Batch: 103892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-103892/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-103892/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-103892/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

GC Semi VOA

Analysis Batch: 103971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-103892/1-A	Method Blank	Total/NA	Solid	8015B NM	103892
LCS 880-103892/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	103892
LCSD 880-103892/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	103892

Analysis Batch: 103998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-1	S-1 (4.5')	Total/NA	Solid	8015 NM	
880-54896-2	S-2 (4.5')	Total/NA	Solid	8015 NM	
880-54896-3	S-4 (4.5')	Total/NA	Solid	8015 NM	
880-54896-4	S-5 (4.5')	Total/NA	Solid	8015 NM	
880-54896-5	S-6 (0-4')	Total/NA	Solid	8015 NM	
880-54896-6	S-21b (0-4')	Total/NA	Solid	8015 NM	
880-54896-7	S-22b (0-4')	Total/NA	Solid	8015 NM	
880-54896-8	S-23b (0-4')	Total/NA	Solid	8015 NM	
880-54896-9	S-24b (0-4')	Total/NA	Solid	8015 NM	
880-54896-10	S-25 (4.5')	Total/NA	Solid	8015 NM	
880-54896-11	S-26 (4.5')	Total/NA	Solid	8015 NM	
880-54896-12	S-27 (4.5')	Total/NA	Solid	8015 NM	
880-54896-13	S-28 (4.5')	Total/NA	Solid	8015 NM	
880-54896-14	S-29 (4.5')	Total/NA	Solid	8015 NM	
880-54896-15	S-30 (4.5')	Total/NA	Solid	8015 NM	
880-54896-16	S-31 (4.5')	Total/NA	Solid	8015 NM	
880-54896-17	S-32 (4.5')	Total/NA	Solid	8015 NM	
880-54896-18	S-33 (4.5')	Total/NA	Solid	8015 NM	
880-54896-19	S-34 (4.5')	Total/NA	Solid	8015 NM	
880-54896-20	S-35 (4.5')	Total/NA	Solid	8015 NM	
880-54896-21	S-36 (4.5')	Total/NA	Solid	8015 NM	
880-54896-22	S-37 (4.5')	Total/NA	Solid	8015 NM	
880-54896-23	S-38 (4.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 103753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-1	S-1 (4.5')	Soluble	Solid	DI Leach	
880-54896-2	S-2 (4.5')	Soluble	Solid	DI Leach	
MB 880-103753/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-103753/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-103753/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 103755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-3	S-4 (4.5')	Soluble	Solid	DI Leach	
880-54896-4	S-5 (4.5')	Soluble	Solid	DI Leach	
880-54896-5	S-6 (0-4')	Soluble	Solid	DI Leach	
880-54896-6	S-21b (0-4')	Soluble	Solid	DI Leach	
880-54896-7	S-22b (0-4')	Soluble	Solid	DI Leach	
880-54896-8	S-23b (0-4')	Soluble	Solid	DI Leach	
880-54896-9	S-24b (0-4')	Soluble	Solid	DI Leach	
880-54896-10	S-25 (4.5')	Soluble	Solid	DI Leach	
880-54896-11	S-26 (4.5')	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

HPLC/IC (Continued)

Leach Batch: 103755 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-12	S-27 (4.5')	Soluble	Solid	DI Leach	
880-54896-13	S-28 (4.5')	Soluble	Solid	DI Leach	
880-54896-14	S-29 (4.5')	Soluble	Solid	DI Leach	
880-54896-15	S-30 (4.5')	Soluble	Solid	DI Leach	
880-54896-16	S-31 (4.5')	Soluble	Solid	DI Leach	
880-54896-17	S-32 (4.5')	Soluble	Solid	DI Leach	
880-54896-18	S-33 (4.5')	Soluble	Solid	DI Leach	
880-54896-19	S-34 (4.5')	Soluble	Solid	DI Leach	
880-54896-20	S-35 (4.5')	Soluble	Solid	DI Leach	
880-54896-21	S-36 (4.5')	Soluble	Solid	DI Leach	
880-54896-22	S-37 (4.5')	Soluble	Solid	DI Leach	
MB 880-103755/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-103755/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-103755/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-54896-3 MS	S-4 (4.5')	Soluble	Solid	DI Leach	
880-54896-3 MSD	S-4 (4.5')	Soluble	Solid	DI Leach	
880-54896-13 MS	S-28 (4.5')	Soluble	Solid	DI Leach	
880-54896-13 MSD	S-28 (4.5')	Soluble	Solid	DI Leach	

Leach Batch: 103756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-23	S-38 (4.5')	Soluble	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	

Analysis Batch: 103836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-1	S-1 (4.5')	Soluble	Solid	300.0	103753
880-54896-2	S-2 (4.5')	Soluble	Solid	300.0	103753
MB 880-103753/1-A	Method Blank	Soluble	Solid	300.0	103753
LCS 880-103753/2-A	Lab Control Sample	Soluble	Solid	300.0	103753
LCSD 880-103753/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	103753

Analysis Batch: 103840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-3	S-4 (4.5')	Soluble	Solid	300.0	103755
880-54896-4	S-5 (4.5')	Soluble	Solid	300.0	103755
880-54896-5	S-6 (0-4')	Soluble	Solid	300.0	103755
880-54896-6	S-21b (0-4')	Soluble	Solid	300.0	103755
880-54896-7	S-22b (0-4')	Soluble	Solid	300.0	103755
880-54896-8	S-23b (0-4')	Soluble	Solid	300.0	103755
880-54896-9	S-24b (0-4')	Soluble	Solid	300.0	103755
880-54896-10	S-25 (4.5')	Soluble	Solid	300.0	103755
880-54896-11	S-26 (4.5')	Soluble	Solid	300.0	103755
880-54896-12	S-27 (4.5')	Soluble	Solid	300.0	103755
880-54896-13	S-28 (4.5')	Soluble	Solid	300.0	103755
880-54896-14	S-29 (4.5')	Soluble	Solid	300.0	103755
880-54896-15	S-30 (4.5')	Soluble	Solid	300.0	103755
880-54896-16	S-31 (4.5')	Soluble	Solid	300.0	103755
880-54896-17	S-32 (4.5')	Soluble	Solid	300.0	103755

Eurofins Midland

QC Association Summary

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

HPLC/IC (Continued)

Analysis Batch: 103840 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-18	S-33 (4.5')	Soluble	Solid	300.0	103755
880-54896-19	S-34 (4.5')	Soluble	Solid	300.0	103755
880-54896-20	S-35 (4.5')	Soluble	Solid	300.0	103755
880-54896-21	S-36 (4.5')	Soluble	Solid	300.0	103755
880-54896-22	S-37 (4.5')	Soluble	Solid	300.0	103755
MB 880-103755/1-A	Method Blank	Soluble	Solid	300.0	103755
LCS 880-103755/2-A	Lab Control Sample	Soluble	Solid	300.0	103755
LCSD 880-103755/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	103755
880-54896-3 MS	S-4 (4.5')	Soluble	Solid	300.0	103755
880-54896-3 MSD	S-4 (4.5')	Soluble	Solid	300.0	103755
880-54896-13 MS	S-28 (4.5')	Soluble	Solid	300.0	103755
880-54896-13 MSD	S-28 (4.5')	Soluble	Solid	300.0	103755

Analysis Batch: 103850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-54896-23	S-38 (4.5')	Soluble	Solid	300.0	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
LCSD 880-103756/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	103756

Lab Chronicle

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-1 (4.5')**Lab Sample ID: 880-54896-1****Date Collected: 02/25/25 10:30****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 00:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 00:13	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 05:07	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103747	02/26/25 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103814	02/28/25 05:07	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103753	02/26/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103836	02/27/25 17:42	SMC	EET MID

Client Sample ID: S-2 (4.5')**Lab Sample ID: 880-54896-2****Date Collected: 02/25/25 10:32****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 00:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 00:34	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 05:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103747	02/26/25 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103814	02/28/25 05:22	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	103753	02/26/25 14:42	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103836	02/27/25 17:48	SMC	EET MID

Client Sample ID: S-4 (4.5')**Lab Sample ID: 880-54896-3****Date Collected: 02/25/25 10:34****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 00:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 00:54	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 05:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103747	02/26/25 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103814	02/28/25 05:37	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 21:14	SMC	EET MID

Client Sample ID: S-5 (4.5')**Lab Sample ID: 880-54896-4****Date Collected: 02/25/25 10:36****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 01:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 01:15	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-5 (4.5')**Lab Sample ID: 880-54896-4****Date Collected: 02/25/25 10:36****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			103998	02/28/25 05:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103747	02/26/25 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103814	02/28/25 05:53	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 21:31	SMC	EET MID

Client Sample ID: S-6 (0-4')**Lab Sample ID: 880-54896-5****Date Collected: 02/25/25 10:38****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 01:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 01:35	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 06:07	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103747	02/26/25 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103814	02/28/25 06:07	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 21:37	SMC	EET MID

Client Sample ID: S-21b (0-4')**Lab Sample ID: 880-54896-6****Date Collected: 02/25/25 10:40****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 01:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 01:55	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 06:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103747	02/26/25 13:47	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103814	02/28/25 06:23	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 21:43	SMC	EET MID

Client Sample ID: S-22b (0-4')**Lab Sample ID: 880-54896-7****Date Collected: 02/25/25 10:42****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 02:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 02:16	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 01:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 01:38	TKC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-22b (0-4')**Lab Sample ID: 880-54896-7****Date Collected: 02/25/25 10:42****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 21:49	SMC	EET MID

Client Sample ID: S-23b (0-4')**Lab Sample ID: 880-54896-8****Date Collected: 02/25/25 10:44****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 02:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 02:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 02:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 02:23	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 22:07	SMC	EET MID

Client Sample ID: S-24b (0-4')**Lab Sample ID: 880-54896-9****Date Collected: 02/25/25 10:46****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 02:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 02:57	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 02:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 02:38	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 22:13	SMC	EET MID

Client Sample ID: S-25 (4.5')**Lab Sample ID: 880-54896-10****Date Collected: 02/25/25 10:48****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 03:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 03:17	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 02:55	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 02:55	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 22:19	SMC	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-26 (4.5')**Lab Sample ID: 880-54896-11****Date Collected: 02/25/25 10:49****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 05:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 05:08	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 03:09	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 03:09	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 22:24	SMC	EET MID

Client Sample ID: S-27 (4.5')**Lab Sample ID: 880-54896-12****Date Collected: 02/25/25 10:50****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 05:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 05:28	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 03:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 03:23	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 22:30	SMC	EET MID

Client Sample ID: S-28 (4.5')**Lab Sample ID: 880-54896-13****Date Collected: 02/25/25 10:51****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 05:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 05:48	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 03:38	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 03:38	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 22:36	SMC	EET MID

Client Sample ID: S-29 (4.5')**Lab Sample ID: 880-54896-14****Date Collected: 02/25/25 10:52****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 06:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 06:09	AJ	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-29 (4.5')**Lab Sample ID: 880-54896-14****Date Collected: 02/25/25 10:52****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			103998	02/28/25 03:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 03:53	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 22:54	SMC	EET MID

Client Sample ID: S-30 (4.5')**Lab Sample ID: 880-54896-15****Date Collected: 02/25/25 10:53****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 06:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 06:29	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 04:08	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 04:08	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 23:00	SMC	EET MID

Client Sample ID: S-31 (4.5')**Lab Sample ID: 880-54896-16****Date Collected: 02/25/25 10:54****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 06:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 06:50	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 04:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 04:23	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 23:17	SMC	EET MID

Client Sample ID: S-32 (4.5')**Lab Sample ID: 880-54896-17****Date Collected: 02/25/25 10:55****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 07:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 07:10	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 04:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 04:53	TKC	EET MID

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Lab Chronicle

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-32 (4.5')**Lab Sample ID: 880-54896-17****Date Collected: 02/25/25 10:55****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 23:23	SMC	EET MID

Client Sample ID: S-33 (4.5')**Lab Sample ID: 880-54896-18****Date Collected: 02/25/25 10:57****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 07:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 07:31	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 05:07	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 05:07	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 23:29	SMC	EET MID

Client Sample ID: S-34 (4.5')**Lab Sample ID: 880-54896-19****Date Collected: 02/25/25 10:59****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 07:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 07:51	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 05:22	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 05:22	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 23:35	SMC	EET MID

Client Sample ID: S-35 (4.5')**Lab Sample ID: 880-54896-20****Date Collected: 02/25/25 11:00****Matrix: Solid****Date Received: 02/26/25 08:35**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103743	02/26/25 11:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103708	02/27/25 08:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 08:12	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 05:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 05:37	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 23:41	SMC	EET MID

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Lab Chronicle

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Client Sample ID: S-36 (4.5')

Lab Sample ID: 880-54896-21

Date Collected: 02/25/25 11:02

Matrix: Solid

Date Received: 02/26/25 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	103822	02/27/25 08:49	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103807	02/28/25 03:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/28/25 03:36	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 05:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 05:53	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 23:47	SMC	EET MID

Client Sample ID: S-37 (4.5')

Lab Sample ID: 880-54896-22

Date Collected: 02/25/25 11:04

Matrix: Solid

Date Received: 02/26/25 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	103801	02/27/25 08:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103809	02/27/25 17:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 17:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 06:07	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 06:07	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	103755	02/26/25 14:46	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	103840	02/27/25 23:52	SMC	EET MID

Client Sample ID: S-38 (4.5')

Lab Sample ID: 880-54896-23

Date Collected: 02/25/25 11:06

Matrix: Solid

Date Received: 02/26/25 08:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	103801	02/27/25 08:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	103809	02/27/25 18:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			104013	02/27/25 18:05	AJ	EET MID
Total/NA	Analysis	8015 NM		1			103998	02/28/25 06:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	103748	02/26/25 13:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	103816	02/28/25 06:23	TKC	EET MID
Soluble	Leach	DI Leach			5.01 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 02:19	SMC	EET MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Crain Environmental
Project/Site: ARU #TB Inj. Pump

Job ID: 880-54896-1
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: ARU #TB Inj. Pump

Job ID: 880-54896-1
SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-54896-1	S-1 (4.5')	Solid	02/25/25 10:30	02/26/25 08:35
880-54896-2	S-2 (4.5')	Solid	02/25/25 10:32	02/26/25 08:35
880-54896-3	S-4 (4.5')	Solid	02/25/25 10:34	02/26/25 08:35
880-54896-4	S-5 (4.5')	Solid	02/25/25 10:36	02/26/25 08:35
880-54896-5	S-6 (0-4')	Solid	02/25/25 10:38	02/26/25 08:35
880-54896-6	S-21b (0-4')	Solid	02/25/25 10:40	02/26/25 08:35
880-54896-7	S-22b (0-4')	Solid	02/25/25 10:42	02/26/25 08:35
880-54896-8	S-23b (0-4')	Solid	02/25/25 10:44	02/26/25 08:35
880-54896-9	S-24b (0-4')	Solid	02/25/25 10:46	02/26/25 08:35
880-54896-10	S-25 (4.5')	Solid	02/25/25 10:48	02/26/25 08:35
880-54896-11	S-26 (4.5')	Solid	02/25/25 10:49	02/26/25 08:35
880-54896-12	S-27 (4.5')	Solid	02/25/25 10:50	02/26/25 08:35
880-54896-13	S-28 (4.5')	Solid	02/25/25 10:51	02/26/25 08:35
880-54896-14	S-29 (4.5')	Solid	02/25/25 10:52	02/26/25 08:35
880-54896-15	S-30 (4.5')	Solid	02/25/25 10:53	02/26/25 08:35
880-54896-16	S-31 (4.5')	Solid	02/25/25 10:54	02/26/25 08:35
880-54896-17	S-32 (4.5')	Solid	02/25/25 10:55	02/26/25 08:35
880-54896-18	S-33 (4.5')	Solid	02/25/25 10:57	02/26/25 08:35
880-54896-19	S-34 (4.5')	Solid	02/25/25 10:59	02/26/25 08:35
880-54896-20	S-35 (4.5')	Solid	02/25/25 11:00	02/26/25 08:35
880-54896-21	S-36 (4.5')	Solid	02/25/25 11:02	02/26/25 08:35
880-54896-22	S-37 (4.5')	Solid	02/25/25 11:04	02/26/25 08:35
880-54896-23	S-38 (4.5')	Solid	02/25/25 11:06	02/26/25 08:35



Environment Testing
Xenco

Chain of Custody

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



Work C

880-54896 Chain of Custody

www.xenco.com Page 1 of 1

Project Manager: Cindy Crain
Company Name: Crain Environmental
Address: 2925 E. 17th St.
City, State ZIP: Odessa, TX 79761
Phone: (575) 441-7244

Bill to: (if different)
Company Name: Chris Crain
Address: 310 W. Wall, Ste. 300
City, State ZIP: Midland, TX 79701
Email: Cindy.crain@gmail.com

Program: ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund
State of Project: NM
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADAPT ☐ Other:

Project Name: ARU TB Inj. Pump
Project Number: -
Project Location: Lea Co., NM
Sampler's Name: Cindy Crain
PO #: -

Turn Around
☒ Routine ☐ Rush
Due Date: 3/4/25
TAT starts the day received by the lab, if received by 4:30pm

Temp Blank: Yes ☒ No ☐
Thermometer ID: TPS
Cooler Custody Seals: Yes ☒ No ☐
Sample Custody Seals: Yes ☒ No ☐
Total Containers: 5-2

SAMPLE RECEIPT				Parameters				ANALYSIS REQUEST				Preservative Codes			
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Pres. Code								
S-1 (4.5')	S	2/25/25	1030	4.5'	C	1						None: NO	DI Water: H ₂ O		
S-2 (4.5')			1032	4.5'								Cool: Cool	MeOH: Me		
S-4 (4.5')			1034	4.5'								HCL: HC	HNO ₃ : HN		
S-5 (4.5')			1036	4.5'								H ₂ SO ₄ : H ₂	NaOH: Na		
S-6 (0.4')			1038	0.4'								H ₃ PO ₄ : HP			
S-21b (0.4')			1040	0.4'								NaHSO ₄ : NABIS			
S-22b (0.4')			1042	0.4'								Na ₂ S ₂ O ₃ : NaSO ₃			
S-23b (0.4')			1044	0.4'								Zn Acetate+NaOH: Zn			
S-24b (0.4')			1046	0.4'								NaOH+Ascorbic Acid: SAPC			
S-25 (4.5')			1048	4.5'											

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>Cindy Crain</u>	<u>[Signature]</u>	<u>2/25/25 10:35</u>			

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

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



Environment Testing
 Xenco

Work Order No: _____

www.xenco.com Page 2 of 3

Project Manager: <i>Cindy Crain</i>	Bill to: (if different) <i>Chris Gaddy</i>
Company Name: <i>Crain Environmental</i>	Company Name: <i>McLane</i>
Address: <i>2925 E. 17th St.</i>	Address: <i>310 W. Wall, Ste. 300</i>
City, State ZIP: <i>Odessa, TX 79761</i>	City, State ZIP: <i>Midland, TX 79701</i>
Phone: <i>(575) 441-7244</i>	Email: <i>cindy.crain@gmail.com</i>

Project Name: <i>ARU TB Inj. Pump</i>	Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
Project Number: <i>1</i>	State of Project: <i>NM</i>
Project Location: <i>Lea Co., NM</i>	Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Sampler's Name: <i>Cindy Crain</i>	Deliverables: EDD ☐ ADAPT ☐ Other:
PO #:	

SAMPLE RECEIPT				ANALYSIS REQUEST				Preservative Codes			
Temp Blank:	Yes	No	Wet Ice:	Yes	No	Pres. Code		None: NO	DI Water: H ₂ O		
Samples Received Intact:	Yes	No	Thermometer ID:					Cool: Cool	MeOH: Me		
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:				HCL: HC	HNO ₃ : HN		
Sample Custody Seals:	Yes	No	N/A	Temperature Reading:				H ₂ SO ₄ : H ₂	NaOH: Na		
Total Containers:			Corrected Temperature:					H ₃ PO ₄ : HP			
								NaHSO ₄ : NABIS			
								Na ₂ S ₂ O ₃ : NaSO ₃			
								Zn Acetate+NaOH: Zn			
								NaOH+Ascorbic Acid: SAPC			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Sample Comments
S-26 (4.5')	S	2/25/25	1049	4.5'	C	1	
S-27 (4.5')			1050				
S-28 (4.5')			1051				
S-29 (4.5')			1052				
S-30 (4.5')			1053				
S-31 (4.5')			1054				
S-32 (4.5')			1055				
S-33 (4.5')			1057				
S-34 (4.5')			1059				
S-35 (4.5')			1100				

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Cindy Crain</i>	<i>[Signature]</i>	2/25/25 1055			

Revised Date: 08/25/2020 Rev. 2020.2



eurofins

Environment Testing
Xenco

Chain of Custody

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

Work Order No:

Page 3 of 3
www.xenco.com

Project Manager:	<i>Cindy Crain</i>	Bill to: (if different)	<i>Chris Grady</i>
Company Name:	<i>Crain Environmental</i>	Company Name:	<i>Dotane</i>
Address:	<i>2925 E. 17th St.</i>	Address:	<i>310 N. Wall, Ste. 300</i>
City, State ZIP:	<i>Odessa, TX 79761</i>	City, State ZIP:	<i>Midland, TX 79701</i>
Phone:	<i>(575) 441-7244</i>	Email:	<i>Cindy.Crain@gmail.com</i>

Project Name:		Project Number:		Project Location:		Sampler's Name:		PO #:		SAMPLE RECEIPT		Temp Blank:		Yes		No		Wet Ice:		Yes		No		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes											
Project Name:		Project Number:		Project Location:		Sampler's Name:		PO #:		Samples Received Intact:		Cooler Custody Seals:		Sample Custody Seals:		Total Containers:		Thermometer ID:		Correction Factor:		Temperature Reading:		Corrected Temperature:		Grab/Comp		Depth		Time Sampled		Date Sampled		Matrix		Sample Identification		Sample Comments													
ARU TB Inj. Pump		-		Lea Co. NM		Cindy Train				Yes		No		Yes		No		Yes		No		Yes		No		Routine		Rush		Due Date:		TAT starts the day received by the lab, if received by 4:30pm		Parameters		# of Cont		Grab/Comp		Depth		Time Sampled		Date Sampled		Matrix		Sample Identification		Sample Comments	
ARU TB Inj. Pump		-		Lea Co. NM		Cindy Train				Yes		No		Yes		No		Yes		No		Yes		No		Routine		Rush		Due Date:		TAT starts the day received by the lab, if received by 4:30pm		Parameters		# of Cont		Grab/Comp		Depth		Time Sampled		Date Sampled		Matrix		Sample Identification		Sample Comments	
ARU TB Inj. Pump		-		Lea Co. NM		Cindy Train				Yes		No		Yes		No		Yes		No		Yes		No		Routine		Rush		Due Date:		TAT starts the day received by the lab, if received by 4:30pm		Parameters		# of Cont		Grab/Comp		Depth		Time Sampled		Date Sampled		Matrix		Sample Identification		Sample Comments	
ARU TB Inj. Pump		-		Lea Co. NM		Cindy Train				Yes		No		Yes		No		Yes		No		Yes		No		Routine		Rush		Due Date:		TAT starts the day received by the lab, if received by 4:30pm		Parameters		# of Cont		Grab/Comp		Depth		Time Sampled		Date Sampled		Matrix		Sample Identification		Sample Comments	
ARU TB Inj. Pump		-		Lea Co. NM		Cindy Train				Yes		No		Yes		No		Yes		No		Yes		No		Routine		Rush		Due Date:		TAT starts the day received by the lab, if received by 4:30pm		Parameters		# of Cont		Grab/Comp		Depth		Time Sampled		Date Sampled		Matrix		Sample Identification		Sample Comments	
ARU TB Inj. Pump		-		Lea Co. NM		Cindy Train				Yes		No		Yes		No		Yes		No		Yes		No		Routine		Rush		Due Date:		TAT starts the day received by the lab, if received by 4:30pm		Parameters		# of Cont		Grab/Comp		Depth		Time Sampled		Date Sampled		Matrix		Sample Identification		Sample Comments	
ARU TB Inj. Pump		-		Lea Co. NM		Cindy Train				Yes		No		Yes		No		Yes		No		Yes		No		Routine		Rush		Due Date:		TAT starts the day received by the lab, if received by 4:30pm		Parameters		# of Cont		Grab/Comp		Depth		Time Sampled		Date Sampled		Matrix		Sample Identification		Sample Comments	
ARU TB Inj. Pump		-		Lea Co. NM		Cindy Train				Yes		No		Yes		No		Yes		No		Yes		No		Routine		Rush		Due Date:		TAT starts the day received by the lab, if received by 4:30pm		Parameters		# of Cont		Grab/Comp		Depth		Time Sampled		Date Sampled		Matrix		Sample Identification		Sample Comments	
ARU TB Inj. Pump		-		Lea Co. NM		Cindy Train				Yes		No		Yes		No		Yes		No		Yes		No		Routine		Rush		Due Date:		TAT starts the day received by the lab, if received by 4:30pm		Parameters		# of Cont		Grab/Comp		Depth		Time Sampled		Date Sampled		Matrix		Sample Identification		Sample Comments	
ARU TB Inj. Pump		-		Lea Co. NM		Cindy Train				Yes		No		Yes		No		Yes		No		Yes		No		Routine		Rush		Due Date:		TAT starts the day received by the lab, if received by 4:30pm		Parameters		# of Cont		Grab/Comp		Depth		Time Sampled		Date Sampled		Matrix		Sample Identification		Sample Comments	
ARU TB Inj. Pump		-		Lea Co. NM		Cindy Train				Yes		No		Yes		No		Yes		No		Yes		No		Routine		Rush		Due Date:		TAT starts the day received by the lab, if received by 4:30pm		Parameters		# of Cont		Grab/Comp		Depth		Time Sampled		Date Sampled		Matrix		Sample Identification		Sample Comments	
ARU TB Inj. Pump		-		Lea Co. NM		Cindy Train				Yes		No		Yes		No		Yes		No		Yes		No		Routine		Rush		Due Date:		TAT starts the day received by the lab, if received by 4:30pm		Parameters		# of Cont		Grab/Comp		Depth		Time Sampled		Date Sampled		Matrix		Sample Identification		Sample Comments	

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xencio. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xencio 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 Xencio. A minimum charge of \$45.00 will be applied to each product and a charge of \$5 for each sample submitted to Eurofins Xencio, but not analyzed. These terms will be enforced unless previously negotiated with Eurofins Xencio.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2/26/25			
3						

2000 1000 500 0

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-54896-1

SDG Number: Lea Co. NM

Login Number: 54896

List Number: 1

Creator: Vasquez, Julisa

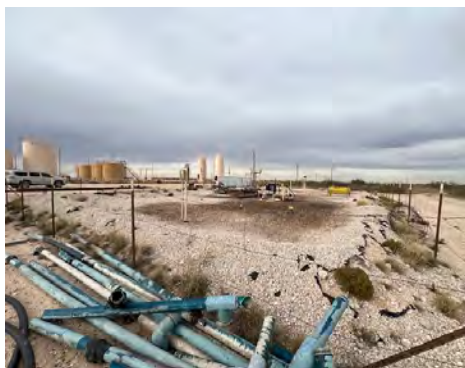
List Source: Eurofins Midland

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



Appendix D: Photographic Documentation

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION
ANDERSON RANCH UNIT TANK BATTERY
INCIDENT #nAPP2426254839



View of staining in bermed area to east of well pad (11/27/23)



View of staining in bermed area to east of well pad (11/27/23)



View of area at west side of TB (11/27/23).



View of area at west side of TB (11/27/23).



View of initial investigation (6/10/24).



View of initial investigation (6/10/24).



View to N of area at E side of TB (8/28/24).



View to N of excavation at former pump area (8/28/24).

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION
ANDERSON RANCH UNIT TANK BATTERY
INCIDENT #nAPP2426254839



View to NW of excavation (9/25/24).



View to E of excavation (9/25/24).



View to E of excavation (9/25/24).



View to W of excavation (9/25/24).



View to W of excavation (12/26/25).



View to S of excavation (12/26/25).



View to SW of excavation (12/26/25).



View to NW of excavation (12/26/25).

APPENDIX D
PHOTOGRAPHIC DOCUMENTATION
ANDERSON RANCH UNIT TANK BATTERY
INCIDENT #nAPP2426254839



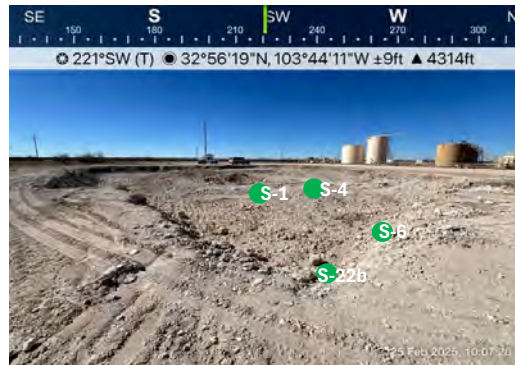
View to S of excavation (12/26/24).



View to NE of excavation (1/15/25).



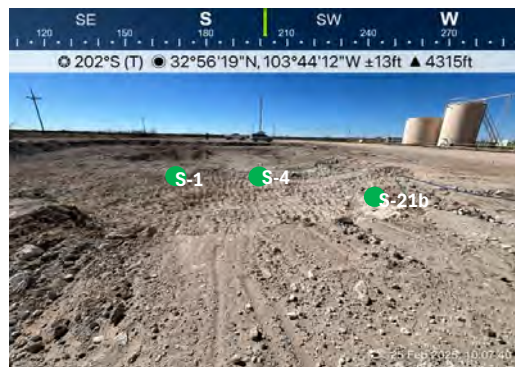
View to NW of excavation with sample points (2/25/25).



View to SW of excavation with sample points (2/25/25).



View to W of excavation with sample points (2/25/25).



View to S of excavation with sample points (2/25/25).



Appendix E: Sampling Notifications

9/20/24, 4:14 PM

The Oil Conservation

Division (OCD) has accepted the application, Application ID: 385503 - cindy.crain@gmail.com

Gmail

The Oil Conservation Division (OCD) has accepted the application, Application ID: 385503

Inbox



OCDOnline@state.nm.us

to me

4

To whom it may concern (c/o Cindy Crain for GRAND BANKS ENERGY CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2426254839.

The sampling event is expected to take place:

When: 09/25/2024 @ 16:00

Where: G-11-16S-32E 0 FNL 0 FEL (32.938675,-103.736567)

Additional Information: Samples will be collected by Cindy Crain (Crain Environmental)
(575) 441-7244

Additional Instructions: The site is located at gps coordinates: 32.938699, -103.736657

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be sent as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation of the site.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive
Santa Fe, NM 87505

The Oil Conservation Division (OCD) has accepted the application, Application ID: 419294

Inbox



OCDOnline@state.nm.us

10:42 PM (11 minutes ago)



to me

To whom it may concern (c/o Cindy Crain for GRAND BANKS ENERGY CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2426254839.

The sampling event is expected to take place:

When: 01/15/2025 @ 13:00

Where: G-11-16S-32E 0 FNL 0 FEL (32.938675,-103.736567)

Additional Information: Samples will be collected by Cindy Crain (Crain Environmental)
(575) 441-7244

Additional Instructions: GPS Coordinates to the site are: 32.938675,-103.736567

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sam then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remedial samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505



Cindy Crain <cindy.crain@gmail.com>

The Oil Conservation Division (OCD) has accepted the application, Application ID: 433512

1 message

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

Wed, Feb 19, 2025 at 12:13 PM

To whom it may concern (c/o Cindy Crain for GRAND BANKS ENERGY CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2426254839.

The sampling event is expected to take place:

When: 02/25/2025 @ 10:30

Where: G-11-16S-32E 0 FNL 0 FEL (32.938675,-103.736567)

Additional Information: Samples will be collected by Cindy Crain (Crain Environmental)
(575) 441-7244

Additional Instructions: GPS Coordinates to the site are: 32.938675,-103.736567

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

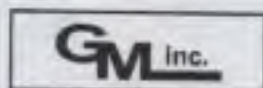
- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

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



Appendix F: Waste Manifests



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103253
06/10/24 02:28 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ANDERSON RANCH UNIT 22
Location:
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

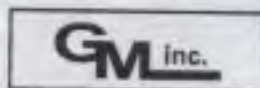
Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103242
06/10/24 11:47 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU TANK BATTERY
Location: ARU TANK BATTERY
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103280
06/11/24 02:56 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU TANK BATTERY
Location: ARU TANK BATTERY
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103263
06/11/24 09:54 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU TANK BATTERY
Location: ARU TANK BATTERY
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103269
06/11/24 12:10 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU TANK BATTERY
Location: ARU TANK BATTERY
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103290
06/12/24 09:40 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU TANK BATTERY
Location: ARU TANK BATTERY
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

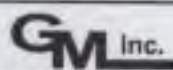
Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103298
06/12/24 12:33 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU TANK BATTERY
Location: ARU TANK BATTERY
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103310
06/12/24 02:52 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU TANK BATTERY
Location: ARU TANK BATTERY
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

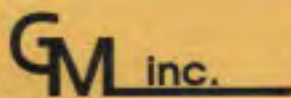
Signature

Kimberly Murphy

Name

Signature

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70786

GENERATOR

Generator Name Chen Caddy
Address _____
City, State, Zip _____
Phone No. 932-634-9337
Company Man _____

Location of Origin
Lease/Well HRU Tank Battery
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 7:00 AM OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Landfill
Address _____
Phone No. _____

Print Name _____
Truck No. 54
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	<u>OTHER EXEMPT WASTE</u>
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	<u>OTHER NON-EXEMPT WASTE</u>
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	_____
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

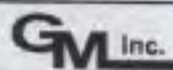
DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103320
06/13/24 10:00 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU TANK BATTERY
Location: ARU TANK BATTERY
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103326
06/13/24 12:16 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU TANK BATTERY
Location: ARU TANK BATTERY
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

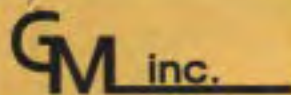
Signature

Kimberly Murphy

Name

Signature

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

**GENERATOR**

Generator Name Commercial Landfill
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well 120 #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMP

IN: 10:25 am OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**

Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Superior Printing Service, Inc.
Address _____
Phone No. _____

Print Name _____
Truck No. 257
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	<u>OTHER EXEMPT WASTE</u>
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	<u>OTHER NON-EXEMPT WASTE</u>
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	_____
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling

☐ Completion

☐ Production

☐ Gathering Lines

Non-Exempt E&P Waste/Service Identification and Amount

(All non-exempt 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 - Liquid 200 Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70866

GENERATOR

Generator Name GRAND BANK
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well A2V #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 12:50 PM OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Red Iron
Address _____
Phone No. _____

Print Name _____
Truck No. 37
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE	_____
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____		_____
Water Based Muds	_____	Gathering Line Water/Waste	_____		_____
Water Based Cuttings	_____	Cement Water	_____		_____
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	OTHER NON-EXEMPT WASTE	_____
Tank Bottoms	_____	Trash & Debris	_____		_____
E&P Contaminated Soil	_____				_____
Gas Plant Waste	_____				_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid _____ Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

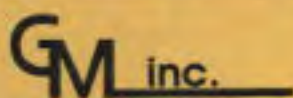
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70875

GENERATOR

Generator Name Grand Plains
Address _____

City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well ARU #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 3:13 pm OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Vanderkoo
Address _____

Phone No. _____

Print Name _____
Truck No. 37
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	<u>OTHER EXEMPT WASTE</u>
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	_____
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	<u>OTHER NON-EXEMPT WASTE</u>
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid _____ Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

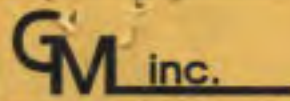
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70858

GENERATOR

Generator Name Gandy Marley, Inc.
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well HRU #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 11:30 AM OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Donner
Address _____
Phone No. _____

Print Name _____
Truck No. 54
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE	_____
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____		_____
Water Based Muds	_____	Gathering Line Water/Waste	_____		_____
Water Based Cuttings	_____	Cement Water	_____	OTHER NON-EXEMPT WASTE	_____
Produced Formation Solids	_____	Truck Washout /Jet Out	_____		_____
Tank Bottoms	_____	Trash & Debris	_____		_____
E&P Contaminated Soil	_____				_____
Gas Plant Waste	_____				_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 200 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

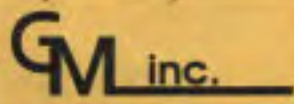
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70863

GENERATOR

Generator Name Gandy Marley, Inc.
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well ARU #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 12:30 pm OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Superior Printing Service, Inc.
Address _____
Phone No. _____

Print Name _____
Truck No. 54
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	<u>OTHER EXEMPT WASTE</u>
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	_____
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	<u>OTHER NON-EXEMPT WASTE</u>
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☐ 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.)
- ☐ RCRA 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. (Check the appropriate items as provided.)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

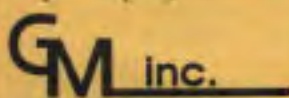
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70873

GENERATOR

Generator Name Gandy Marley
Address _____

City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well A7001
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 2:30 pm OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Boards & Co
Address _____

Phone No. _____

Print Name _____
Truck No. 54
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	<u>OTHER EXEMPT WASTE</u>
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	_____
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	<u>OTHER NON-EXEMPT WASTE</u>
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid _____ Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

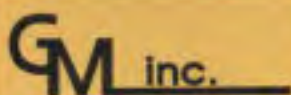
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70500

GENERATOR

Generator Name 70500
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin ARIZ #1
Lease/Well _____
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 9:43 AM OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Superior Printing
Address _____
Phone No. _____

Print Name _____
Truck No. 54
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	<u>OTHER EXEMPT WASTE</u>
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	<u>OTHER NON-EXEMPT WASTE</u>
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	_____
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

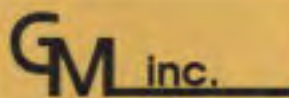
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

**GENERATOR**

Generator Name GANDY MARLEY
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well H2U #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMP

IN: 12:35 PM OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**

Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Ponderosa
Address _____
Phone No. _____

Print Name _____
Truck No. 54
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	_____
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	OTHER NON-EXEMPT WASTE
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling

☐ Completion

☐ Production

☐ Gathering Lines

Non-Exempt E&P Waste/Service Identification and Amount

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

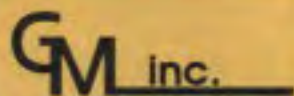
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70917

GENERATOR

Generator Name Gandy Marley, Inc.
Address _____

City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well ARU #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 2:55 pm OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name WONDERUSA
Address _____

Phone No. _____

Print Name _____
Truck No. 54
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	<u>OTHER EXEMPT WASTE</u>
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	_____
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	<u>OTHER NON-EXEMPT WASTE</u>
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 200 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

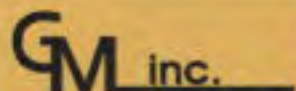
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70918

GENERATOR

Generator Name G-2 AND B-2
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well 1720 #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 3:05 pm OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Dan De Rosa
Address _____
Phone No. _____

Print Name _____
Truck No. 37
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	<u>OTHER EXEMPT WASTE</u>
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	_____
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	<u>OTHER NON-EXEMPT WASTE</u>
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

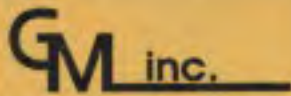
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70902

GENERATOR

Generator Name GANDY MARLEY
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well ARU #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 12:57pm OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Wenderson
Address _____
Phone No. _____

Print Name _____
Truck No. 357
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 6/19/24

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	<u>OTHER EXEMPT WASTE</u>
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	<u>OTHER NON-EXEMPT WASTE</u>
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	_____
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

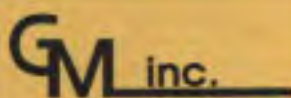
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



GENERATOR

Generator Name Gandy Marley, Inc.
Address _____

City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well 3800 #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMP

IN: 5/19/24 OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Dondeco
Address _____

Phone No. _____

Print Name _____
Truck No. 37
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	OTHER NON-EXEMPT WASTE
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	_____
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			
Gas Plant Waste	_____			

WASTE GENERATION PROCESS: ☐ Drilling

☐ Completion

☐ Production

☐ Gathering Lines

Non-Exempt E&P Waste/Service Identification and Amount

(All non-exempt 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 - Liquid 30 Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70954

GENERATOR

Generator Name Gandy Marley
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well APU #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 2:45pm OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Pandrosa
Address _____
Phone No. _____

Print Name _____
Truck No. 37
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	OTHER NON-EXEMPT WASTE
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	_____
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

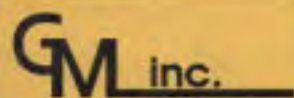
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70951

GENERATOR

Generator Name Graham Banks
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well 1720 #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 5:15 pm OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name B. Ponderosa
Address _____
Phone No. _____

Print Name _____
Truck No. 37
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE	_____
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____		_____
Water Based Muds	_____	Gathering Line Water/Waste	_____		_____
Water Based Cuttings	_____	Cement Water	_____	OTHER NON-EXEMPT WASTE	_____
Produced Formation Solids	_____	Truck Washout /Jet Out	_____		_____
Tank Bottoms	_____	Trash & Debris	_____		_____
E&P Contaminated Soil	_____				_____
Gas Plant Waste	_____				_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

GM inc.

70912

GENERATOR

Generator Name CRANN BARRIS
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well AZU #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 9:00 AM OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name PONCE ROSA
Address _____
Phone No. _____

Print Name _____
Truck No. 37
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	<u>OTHER EXEMPT WASTE</u>
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	<u>OTHER NON-EXEMPT WASTE</u>
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	_____
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid _____ Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

GMI inc.**GENERATOR**

Generator Name GENCO BANKS
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well ARU #1

Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMP

IN: 4:50 PM OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**

Name/No. Landfill

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

Phone No. 575-347-0434

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name PONDUSA
Address _____
Phone No. _____

Print Name _____
Truck No. 54
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____
Oil Based Cuttings _____
Water Based Muds _____
Water Based Cuttings _____
Produced Formation Solids _____
Tank Bottoms _____
E&P Contaminated Soil _____
Gas Plant Waste _____

Completion Fluid/Flowback _____
Produced Water (Non-Injectable) _____
Gathering Line Water/Waste _____
Cement Water _____
Truck Washout / Jet Out _____
Trash & Debris _____

OTHER EXEMPT WASTE

OTHER NON-EXEMPT WASTE

WASTE GENERATION PROCESS: ☐ Drilling

☐ Completion

☐ Production

☐ Gathering Lines

Non-Exempt E&P Waste/Service Identification and Amount

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

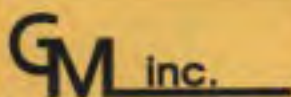
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70950

GENERATOR

Generator Name GRAND BRANDS
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well AZU 01
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 11:00 AM OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name POWERS
Address _____
Phone No. _____

Print Name _____
Truck No. 54
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	<u>OTHER EXEMPT WASTE</u>
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	<u>OTHER NON-EXEMPT WASTE</u>
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	_____
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 200 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

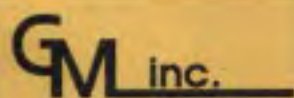
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



GENERATOR

Generator Name CONCRETE
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin ARV #1
Lease/Well _____
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMP

IN: 9:07 AM OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name CONCRETE
Address _____
Phone No. _____

Print Name _____
Truck No. 54
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____
Oil Based Cuttings _____
Water Based Muds _____
Water Based Cuttings _____
Produced Formation Solids _____
Tank Bottoms _____
E&P Contaminated Soil _____
Gas Plant Waste _____

Completion Fluid/Flowback _____
Produced Water (Non-Injectable) _____
Gathering Line Water/Waste _____
Cement Water _____
Truck Washout /Jet Out _____
Trash & Debris _____

OTHER EXEMPT WASTE

OTHER NON-EXEMPT WASTE

WASTE GENERATION PROCESS: ☐ Drilling

☐ Completion

☐ Production

☐ Gathering Lines

Non-Exempt E&P Waste/Service Identification and Amount

(All non-exempt 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 - Liquid _____ Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

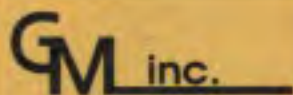
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70971

GENERATOR

Generator Name GRAND BANKS
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well APU #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 9:40 AM OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Pondirusa
Address _____
Phone No. _____

Print Name _____
Truck No. 37
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	OTHER NON-EXEMPT WASTE
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	_____
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

**GENERATOR**

Generator Name G2 AND 3 HANNS
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well ARJ-1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMP

IN: 12:25 OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**

Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Wardcoast
Address _____
Phone No. _____

Print Name _____
Truck No. 37
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	OTHER NON-EXEMPT WASTE
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	_____
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling

☐ Completion

☐ Production

☐ Gathering Lines

Non-Exempt E&P Waste/Service Identification and Amount

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

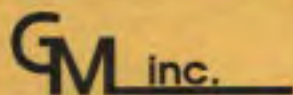
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70988

GENERATOR

Generator Name Gandy Marley, Inc.
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin ARL
Lease/Well _____
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Superior Printing Service, Inc.
Address _____
Phone No. _____

Print Name _____
Truck No. 23
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE	_____
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____		_____
Water Based Muds	_____	Gathering Line Water/Waste	_____		_____
Water Based Cuttings	_____	Cement Water	_____	OTHER NON-EXEMPT WASTE	_____
Produced Formation Solids	_____	Truck Washout /Jet Out	_____		_____
Tank Bottoms	_____	Trash & Debris	_____		_____
E&P Contaminated Soil	_____				_____
Gas Plant Waste	_____				_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

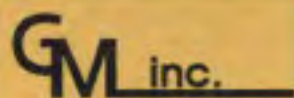
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

**GENERATOR**

Generator Name Gandy Marley, Inc.
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin ARZ 1
Lease/Well _____
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMP

IN: 9:25am OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**

Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Superior Printing Service, Inc.
Address _____
Phone No. _____

Print Name _____
Truck No. 54
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	OTHER NON-EXEMPT WASTE
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	_____
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling

☐ Completion

☐ Production

☐ Gathering Lines

Non-Exempt E&P Waste/Service Identification and Amount

(All non-exempt 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 - Liquid 200 Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

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☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

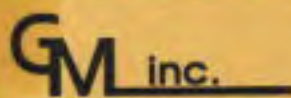
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70373

GENERATOR

Generator Name GRAND BANKS
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well ARK 151
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 12:05 OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name RENTALTRUCKS
Address _____
Phone No. _____

Print Name _____
Truck No. 54
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	<u>OTHER EXEMPT WASTE</u>
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	<u>OTHER NON-EXEMPT WASTE</u>
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	_____
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

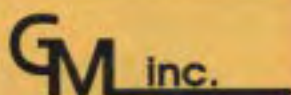
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70907

GENERATOR

Generator Name Gandy Marley, Inc.
Address _____

City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin ASU
Lease/Well _____
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 2:00 OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Superior Printing Service, Inc.
Address _____

Phone No. _____

Print Name _____
Truck No. 54
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____
Oil Based Cuttings _____
Water Based Muds _____
Water Based Cuttings _____
Produced Formation Solids _____
Tank Bottoms _____
E&P Contaminated Soil /
Gas Plant Waste _____

Completion Fluid/Flowback _____
Produced Water (Non-Injectable) _____
Gathering Line Water/Waste _____
Cement Water _____
Truck Washout /Jet Out _____
Trash & Debris _____

OTHER EXEMPT WASTEOTHER NON-EXEMPT WASTEWASTE GENERATION PROCESS: ☒ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

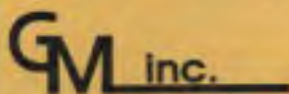
GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



GENERATOR

Generator Name SEAN BARRIS
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well ARJ #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMP

IN: 10:10 AM OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Wendy Zosa
Address _____
Phone No. _____

Print Name _____
Truck No. 54
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE	_____
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____		_____
Water Based Muds	_____	Gathering Line Water/Waste	_____		_____
Water Based Cuttings	_____	Cement Water	_____	OTHER NON-EXEMPT WASTE	_____
Produced Formation Solids	_____	Truck Washout /Jet Out	_____		_____
Tank Bottoms	_____	Trash & Debris	_____		_____
E&P Contaminated Soil	_____				_____
Gas Plant Waste	_____				_____

WASTE GENERATION PROCESS: ☐ Drilling

☐ Completion

☐ Production

☐ Gathering Lines

Non-Exempt E&P Waste/Service Identification and Amount

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103366
06/24/24 12:38 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU TANK BATTERY
Location: ARU TANK BATTERY
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103376
06/24/24 03:39 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



70998

GENERATOR

Generator Name Grand Plains
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well ARU #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 9:42am OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Randall
Address _____
Phone No. _____

Print Name _____
Truck No. _____
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	<u>OTHER EXEMPT WASTE</u>
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	
Water Based Muds	_____	Gathering Line Water/Waste	_____	
Water Based Cuttings	_____	Cement Water	_____	<u>OTHER NON-EXEMPT WASTE</u>
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	
Tank Bottoms	_____	Trash & Debris	_____	
E&P Contaminated Soil	_____			
Gas Plant Waste	_____			

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ 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.)☐ RCRA 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. (Check the appropriate items as provided.)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103378
06/24/24 04:22 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 37
Phone No.:

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.

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:

- ☒ 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.)
- ☐ RCRA 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:
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis
- 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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103384
06/25/24 09:07 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oiled 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

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103391
06/25/24 11:21 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
Phone No.:

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.

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:

- ☒ 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.)
- ☐ RCRA 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:
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis
- 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-hazardous waste determination, and a description of the waste must accompany this form.)

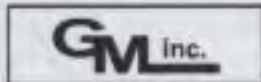
Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103404
06/25/24 03:50 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

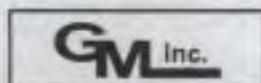
Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103381
06/25/24 09:03 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 37
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

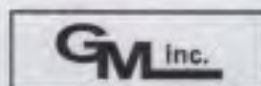
Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103392
06/25/24 11:34 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 37
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103405
06/25/24 04:09 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 37
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.

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:

- ☒ 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.)
- ☐ RCRA 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:
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis
- 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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103417
06/26/24 09:10 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103423
06/26/24 11:13 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103442
06/26/24 02:01 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 54
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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103443
06/26/24 02:37 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 37
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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103428
06/26/24 11:51 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 37
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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
103412
06/26/24 09:04 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 37
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oilified 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

Signature

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

GMI inc.

71040

GENERATOR

Generator Name Gandy Marley, Inc.
Address _____

City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well AKU #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 3:30 PM OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Rundberg
Address _____

Phone No. _____

Print Name _____
Truck No. 33
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	_____
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	OTHER NON-EXEMPT WASTE
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 26 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



71015

GENERATOR

Generator Name GRAND BANKS
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well ARU #1
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 3:35 PM OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name RANDY COOK
Address _____
Phone No. _____

Print Name _____
Truck No. 37
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE	_____
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____		_____
Water Based Muds	_____	Gathering Line Water/Waste	_____		_____
Water Based Cuttings	_____	Cement Water	_____	OTHER NON-EXEMPT WASTE	_____
Produced Formation Solids	_____	Truck Washout /Jet Out	_____		_____
Tank Bottoms	_____	Trash & Debris	_____		_____
E&P Contaminated Soil	_____				_____
Gas Plant Waste	_____				_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid _____ Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
104855
08/07/24 03:22 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: EL PRIMO TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 1
Phone No.:

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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
104856
08/07/24 03:23 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: JR TRANSPORT
Address:
Phone No.:Driver Name:
Truck Number: 09
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

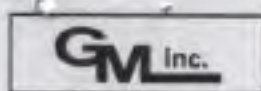
Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
104827
08/07/24 12:29 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: EL PRIMO TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 1
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
104806
08/07/24 09:33 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: EL PRIMO TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 1
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
104807
08/07/24 09:34 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: JR TRANSPORT
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 incident to the disposal facility listed above.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
104862
08/08/24 08:47 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: JR TRANSPORT
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 incident to the disposal facility listed above.

LEONARDO CAYO

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

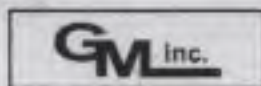
Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
104950
08/08/24 03:46 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: JR TRANSPORT
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 incident to the disposal facility listed above.

Leonardo Caro

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature

Kimberly Murphy



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
104908
08/08/24 11:47 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: JR TRANSPORT
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 incident to the disposal facility listed above.

Leonardo Caro

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

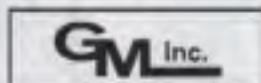
Signature

Kimberly Murphy

Name

Signature

Kimberly Murphy



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
104949
08/08/24 03:45 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
104907
08/08/24 11:46 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
104861
08/08/24 08:46 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

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.

OScar A Morales

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature

Kimberly Murphy



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
105022
08/09/24 02:59 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: EL PRIMO TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 1
Phone No.:

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.

OSCAR A MORALEZ

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
104967
08/09/24 09:10 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

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.

OSCAR A Morales

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

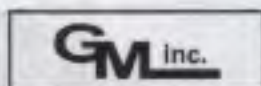
Signature

Kimberly Murphy

Name

Kimberly Murphy

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
104990
08/09/24 12:00 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: EL PRIMO TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 1
Phone No.:

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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
104968
08/09/24 09:10 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: JR TRANSPORT
Address:
Phone No.:Driver Name:
Truck Number: 09
Phone No.:

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.

Leonardo Cavo

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:Emergency non-hazardous, non-oilified 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

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
104991
08/09/24 12:00 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: JR TRANSPORT
Address:
Phone No.:Driver Name:
Truck Number: 09
Phone No.:

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.

Leonardo Cavo

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature

Kimberly Murphy



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
105023
08/09/24 02:59 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: JR TRANSPORT
Address:
Phone No.:Driver Name:
Truck Number: 09
Phone No.:

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.

LEONARDO CARO

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

**GENERATOR**

Generator Name Gandy Bank Energy
Address _____

City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin Bellamy State #1
Lease/Well _____
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMP

IN: 10:15 AM OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**

Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name 502
Address _____

Phone No. _____

Print Name 502
Truck No. 01
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	<u>OTHER EXEMPT WASTE</u>
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	<u>OTHER NON-EXEMPT WASTE</u>
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	_____
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling

☐ Completion

☐ Production

☐ Gathering Lines

Non-Exempt E&P Waste/Service Identification and Amount

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ 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.)
- ☐ RCRA 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. (Check the appropriate items as provided.)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



71434

GENERATOR

Generator Name Grand Bank Energy
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin Belling St 41
Lease/Well _____
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 8:02 AM OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name EL Trans Transporting
Address _____
Phone No. _____

Print Name OSBY
Truck No. 01
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____
Oil Based Cuttings _____
Water Based Muds _____
Water Based Cuttings _____
Produced Formation Solids _____
Tank Bottoms _____
E&P Contaminated Soil ✓
Gas Plant Waste _____

Completion Fluid/Flowback _____
Produced Water (Non-Injectable) _____
Gathering Line Water/Waste _____
Cement Water _____
Truck Washout /Jet Out _____
Trash & Debris _____

OTHER EXEMPT WASTE**OTHER NON-EXEMPT WASTE****WASTE GENERATION PROCESS:** ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

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☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



71435

GENERATOR

Generator Name Grand Bank Energy
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin Battery St. H 1
Lease/Well _____
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name SIR Transport
Address _____
Phone No. _____

Print Name Leonardo
Truck No. 09
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____
Oil Based Cuttings _____
Water Based Muds _____
Water Based Cuttings _____
Produced Formation Solids _____
Tank Bottoms _____
E&P Contaminated Soil _____
Gas Plant Waste _____

Completion Fluid/Flowback _____
Produced Water (Non-Injectable) _____
Gathering Line Water/Waste _____
Cement Water _____
Truck Washout /Jet Out _____
Trash & Debris _____

OTHER EXEMPT WASTE

OTHER NON-EXEMPT WASTE

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines

Non-Exempt E&P Waste/Service Identification and Amount

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

GM inc.

GENERATOR

Generator Name Gandy Marley Energy
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin Teller 361-11
Lease/Well _____
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMP

IN: 12:15 AM OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Jr Transport
Address _____
Phone No. _____

Print Name L. J. Smith
Truck No. 09
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____
Oil Based Cuttings _____
Water Based Muds _____
Water Based Cuttings _____
Produced Formation Solids _____
Tank Bottoms _____
E&P Contaminated Soil _____
Gas Plant Waste _____

Completion Fluid/Flowback _____
Produced Water (Non-Injectable) _____
Gathering Line Water/Waste _____
Cement Water _____
Truck Washout /Jet Out _____
Trash & Debris _____

OTHER EXEMPT WASTE

OTHER NON-EXEMPT WASTE

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines

Non-Exempt E&P Waste/Service Identification and Amount

(All non-exempt 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 - Liquid _____ Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

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☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield 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.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

GM inc.

GENERATOR

Generator Name Grand Bank Energy
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin Battery State "1"
Lease/Well _____

Name & No. _____

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. _____

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. Landfill

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

Phone No. 575-347-0434

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Transport
Address _____
Phone No. _____

Print Name LeonardoTruck No. 09

Bin No. _____

Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____
Oil Based Cuttings _____
Water Based Muds _____
Water Based Cuttings _____
Produced Formation Solids _____
Tank Bottoms _____
E&P Contaminated Soil _____
Gas Plant Waste _____

Completion Fluid/Flowback _____
Produced Water (Non-injectable) _____
Gathering Line Water/Waste _____
Cement Water _____
Truck Washout /Jet Out _____
Trash & Debris _____

OTHER EXEMPT WASTE

OTHER NON-EXEMPT WASTE

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines

Non-Exempt E&P Waste/Service Identification and Amount

(All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), ignition, corrosiveness, and reactivity.)

Non-Exempt Other: _____

*Please refer to Non-Exempt Waste List on back

QUANTITY: _____ B - Barrels _____ L - Liquid _____ Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

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☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
105342
08/21/24 12:07 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 54
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oilified 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

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
105357
08/21/24 02:39 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 54
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
105341
08/21/24 09:45 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 54
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



71557

GENERATOR

Generator Name Grand Banks
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin
Lease/Well AR20 2000000001
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 8:50 AM OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Superior Printing
Address Porter
Phone No. _____

Print Name _____
Truck No. 1
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE	_____
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____		_____
Water Based Muds	_____	Gathering Line Water/Waste	_____		_____
Water Based Cuttings	_____	Cement Water	_____	OTHER NON-EXEMPT WASTE	_____
Produced Formation Solids	_____	Truck Washout /Jet Out	_____		_____
Tank Bottoms	_____	Trash & Debris	_____		_____
E&P Contaminated Soil	_____				_____
Gas Plant Waste	_____				_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

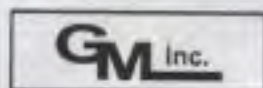
DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
105396
08/22/24 12:57 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

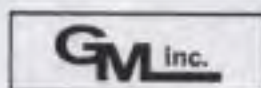
Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
105422
08/22/24 03:42 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
105388
08/22/24 10:37 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

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.

OSCAR A. MORALES

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oilified 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

Kimberly Murphy

Signature

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET



71558

GENERATOR

Generator Name Grand Banks
Address _____
City, State, Zip _____
Phone No. _____
Company Man _____

Location of Origin AXO Battery #1
Lease/Well _____
Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

TRUCK TIME STAMPIN: 8:30 AM OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Round Rock
Address _____
Phone No. _____

Print Name _____
Truck No. 54
Bin No. _____
Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____	_____
Water Based Muds	_____	Gathering Line Water/Waste	_____	_____
Water Based Cuttings	_____	Cement Water	_____	OTHER NON-EXEMPT WASTE
Produced Formation Solids	_____	Truck Washout /Jet Out	_____	_____
Tank Bottoms	_____	Trash & Debris	_____	_____
E&P Contaminated Soil	_____			_____
Gas Plant Waste	_____			_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ **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.)

☐ **RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

GMI

TITLE

SIGNATURE

SUPERIOR PRINTING SERVICE, INC.



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
105395
08/22/24 12:46 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 54
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
105389
08/22/24 10:38 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 54
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
105400
08/22/24 01:10 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 48
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:

Emergency non-hazardous, non-oilified 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

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
105369
08/22/24 08:45 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 48
Phone No.:

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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Kimberly Murphy

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
105390
08/22/24 10:51 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfarm (NM-711-1-0020)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 48
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.

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:

- ☒ 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.)
- ☐ RCRA 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:
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis
- Other (Provide Description Below)

- ☐ Emergency Non-Oilfield: Emergency non-hazardous, non-oilified 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

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110744
12/24/24 09:22 AM

GENERATOR

Generator: CAMBRIAN MANAGEMENT
Generator Contact:
PO BOX 272
MIDLAND, TX 79702
Phone No.: (432)620-9181Lease: CHEM STATE #1
Location: CHEM STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)620-9181
Email:

Battery #1

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
Phone No.:

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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Billy Jack Clayton

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

Generator Name Combustion
 Address _____
 City, State, Zip _____
 Phone No. _____
 Company Man _____

GENERATOR

Location of Origin
 Lease/Well _____
 Name & No. Battery #7
 County _____
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**

Name/No. Landfill

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

Phone No. 575-347-0434
 If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Pandora
 Address _____
 Phone No. _____

Print Name _____
 Truck No. 41
 Bin No. _____
 Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE	_____
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____		_____
Water Based Muds	_____	Gathering Line Water/Waste	_____		_____
Water Based Cuttings	_____	Cement Water	_____	OTHER NON-EXEMPT WASTE	_____
Produced Formation Solids	_____	Truck Washout /Jet Out	_____		_____
Tank Bottoms	_____	Trash & Debris	_____		_____
E&P Contaminated Soil	_____				_____
Gas Plant Waste	_____				_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid _____ Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☐ 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.)
- ☐ RCRA 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. (Check the appropriate items as provided.)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110802
12/30/24 04:43 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110796
12/30/24 02:23 PM**GENERATOR**Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:**DISPOSAL FACILITY**Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:**WASTE MATERIAL**

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTERName: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Billy Jack Clayton

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110774
12/30/24 09:27 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA
Address:
Phone No.:Driver Name:
Truck Number: 41
Phone No.:

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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Billy Jack Clayton

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110779
12/30/24 11:57 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Billy Jack Clayton

Name

Signature

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

GMI inc.**GENERATOR**

Generator Name Grand banks
 Address _____
 City, State, Zip _____
 Phone No. _____
 Company Man _____

Location of Origin Battery State 1
 Lease/Well _____
 Name & No. _____
 County _____
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

TRUCK TIME STAMPIN: 8:09 am OUT: _____**DISPOSAL FACILITY****RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
 If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Ponderosa
 Address _____
 Phone No. _____

Print Name _____
 Truck No. 57
 Bin No. _____
 Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____
 Oil Based Cuttings _____
 Water Based Muds _____
 Water Based Cuttings _____
 Produced Formation Solids _____
 Tank Bottoms _____
 E&P Contaminated Soil _____
 Gas Plant Waste _____

Completion Fluid/Flowback _____
 Produced Water (Non-Injectable) _____
 Gathering Line Water/Waste _____
 Cement Water _____
 Truck Washout /Jet Out _____
 Trash & Debris _____

OTHER EXEMPT WASTE**OTHER NON-EXEMPT WASTE****WASTE GENERATION PROCESS:** ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid _____ Y - Yards _____ E - Each**C-138**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110818
12/31/24 10:18 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 54
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Billy Jack Clayton

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110826
12/31/24 12:37 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 54
Phone No.:

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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

GMI inc.**GENERATOR**

Generator Name Grand Banks
 Address _____
 City, State, Zip _____
 Phone No. _____
 Company Man _____

Location of Origin Don't have state 1
 Lease/Well _____
 Name & No. _____
 County _____
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**Name/No. Landfill

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

Phone No. 575-347-0434
 If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Bondar
 Address _____
 Phone No. _____

Print Name _____
 Truck No. 41
 Bin No. _____
 Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	Completion Fluid/Flowback	_____	OTHER EXEMPT WASTE	_____
Oil Based Cuttings	_____	Produced Water (Non-Injectable)	_____		_____
Water Based Muds	_____	Gathering Line Water/Waste	_____		_____
Water Based Cuttings	_____	Cement Water	_____	OTHER NON-EXEMPT WASTE	_____
Produced Formation Solids	_____	Truck Washout /Jet Out	_____		_____
Tank Bottoms	_____	Trash & Debris	_____		_____
E&P Contaminated Soil	_____				_____
Gas Plant Waste	_____				_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines**Non-Exempt E&P Waste/Service Identification and Amount**

(All non-exempt 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 - Liquid _____ Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☐ 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.)
- ☐ RCRA 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. (Check the appropriate items as provided.)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110838
12/31/24 03:06 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
Phone No.:

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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110817
12/31/24 10:08 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Billy Jack Clayton

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110820
12/31/24 12:17 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
Phone No.:

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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

Other (Provide Description Below)

☐ Emergency Non-Oilfield:Emergency non-hazardous, non-oilified 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

Billy Jack Clayton

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
111095
01/11/25 10:37 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Billy Jack Clayton

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
111097
01/11/25 12:58 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Billy Jack Clayton

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
111101
01/11/25 03:35 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Billy Jack Clayton

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
111293
01/17/25 09:18 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 54
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
111315
01/17/25 11:47 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222

Lease: ARU #1
Location: ARU #1
Job Contact: UN
Phone Number:
Email:

DISPOSAL 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

NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:

Driver Name:
Truck Number: 54
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information

☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110839
01/01/25 08:32 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
Phone No.:

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.



Driver Signature

C-138

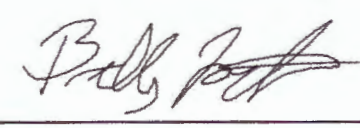
I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)_____
Name_____
Signature_____
Billy Jack Clayton_____
Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110840
01/01/25 11:02 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110841
01/02/25 08:38 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 56
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110857
01/02/25 11:06 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 56
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110873
01/02/25 01:28 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 54
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

GM inc.

GENERATOR

Generator Name 73075 GEANA BANKS

Address _____

City, State, Zip _____

Phone No. _____

Company Man _____

Location of Origin NEW BATTERY #1

Lease/Well _____

Name & No. _____

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. _____

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. Landfill

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

Phone No. 575-347-0434

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Roadrunner

Address _____

Phone No. _____

Print Name _____

Truck No. _____

Bin No. _____

Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____	Completion Fluid/Flowback _____	OTHER EXEMPT WASTE _____
Oil Based Cuttings _____	Produced Water (Non-Injectable) _____	_____
Water Based Muds _____	Gathering Line Water/Waste _____	_____
Water Based Cuttings _____	Cement Water _____	OTHER NON-EXEMPT WASTE _____
Produced Formation Solids _____	Truck Washout /Jet Out _____	_____
Tank Bottoms _____	Trash & Debris _____	_____
E&P Contaminated Soil _____		_____
Gas Plant Waste _____		_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines

Non-Exempt E&P Waste/Service Identification and Amount

(All non-exempt 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 - Liquid _____ Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)

☐ RCRA 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. (Check the appropriate items as provided.)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110881
01/02/25 03:46 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110871
01/02/25 01:24 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110856
01/02/25 10:52 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST / DISPOSAL TICKET

GM inc.

GENERATOR

Generator Name Grand Banks
 Address _____
 City, State, Zip _____
 Phone No. _____
 Company Man _____

Location of Origin 3rd St. = 1
 Lease/Well _____
 Name & No. _____
 County _____
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

TRUCK TIME STAMP

IN: 3:45 PM OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. Landfill

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

Phone No. 575-347-0434

If YES, was reading > 50 micro roentgens? (Circle One) YES NO

TRANSPORTER

Transporter's Name Superior
 Address _____
 Phone No. _____

Print Name _____
 Truck No. 41
 Bin No. _____
 Phone No. _____

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 below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

Exempt E&P Waste/Service Identification and Amount (Place volume next to waste type in barrels or cubic yards)

Oil Based Muds _____	Completion Fluid/Flowback _____	OTHER EXEMPT WASTE _____
Oil Based Cuttings _____	Produced Water (Non-Injectable) _____	_____
Water Based Muds _____	Gathering Line Water/Waste _____	_____
Water Based Cuttings _____	Cement Water _____	OTHER NON-EXEMPT WASTE _____
Produced Formation Solids _____	Truck Washout /Jet Out _____	_____
Tank Bottoms _____	Trash & Debris _____	_____
E&P Contaminated Soil _____	_____	_____
Gas Plant Waste _____	_____	_____

WASTE GENERATION PROCESS: ☐ Drilling☐ Completion☐ Production☐ Gathering Lines

Non-Exempt E&P Waste/Service Identification and Amount

(All non-exempt 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 - Liquid 20 Y - Yards _____ E - Each

C-138

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ 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.)☐ RCRA 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. (Check the appropriate items as provided.)☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ 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-hazardous waste determination and a description of the waste must accompany this form.)

(PRINT) AUTHORIZED AGENTS SIGNATURE

DATE

SIGNATURE

NAME (PRINT)

DATE

GMI

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110916
01/03/25 01:27 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110882
01/03/25 08:37 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110901
01/03/25 10:57 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 41
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.

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:

☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110887
01/03/25 08:51 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 56
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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110903
01/03/25 11:19 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 56
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

KIMBERLY MURPHY

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110958
01/06/25 01:42 PM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 56
Phone No.:

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.

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:

☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Billy Jack Clayton

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110938
01/06/25 11:27 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 56
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.

Driver Signature

C-138

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☒ 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.)☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Billy Jack Clayton

Name

Signature



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST/DISPOSAL TICKET

Ticket Number
110926
01/06/25 08:55 AM

GENERATOR

Generator: GRAND BANK ENERGY CO
Generator Contact: EDDIE JARAMILLO
10 DESTA DR, STE 300 E
MIDLAND, TX 79705
Phone No.: (222)222-2222Lease: BATTERY STATE #1
Location: BATTERY STATE #1
Job Contact: CHRIS GADDY
Phone Number: (432)634-9337
Email:

DISPOSAL FACILITY

Site Name/Permit No.: Commercial Landfill (NM-01-0019)
P.O. Box 1658
Roswell, NM 88202
Office (575) 347-0434
Fax (575)347-0435NORM Readings Taken: No
Reading > 50 micro roentgens: No
Pass the Paint Filter Test: No
Box Number:

WASTE MATERIAL

Material	Quantity	Cell
OCD EXEMPT SOILS	20.00 YDS	LF

TRANSPORTER

Name: PONDEROSA TRUCKING
Address:
Phone No.:Driver Name:
Truck Number: 56
Phone No.:

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.

Driver Signature

C-138

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☒ 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.)

☐ RCRA 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:

☐ MSDS Information☐ RCRA Hazardous Waste Analysis

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-hazardous waste determination, and a description of the waste must accompany this form.)

Name

Signature

Billy Jack Clayton

Name

Signature

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 443289

QUESTIONS

Operator: GRAND BANKS ENERGY CO 310 W Wall St. Midland, TX 79701	OGRID: 155471
	Action Number: 443289
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2426254839
Incident Name	NAPP2426254839 ANDERSON RANCH UNIT TANK BATTERY @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fCS2410743300] ANDERSON RANCH TANK BATTERY

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ANDERSON RANCH UNIT TANK BATTERY
Date Release Discovered	06/17/2024
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	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Valve Crude Oil Released: 38 BBL Recovered: 0 BBL Lost: 38 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The Anderson Ranch Unit Tank Battery is being remediated/reclaimed according to State Land Office (SLO) specifications. This C-141 is being submitted for a historical release at the former location of the injection pump (east of the tank battery). The injection pump has been removed and relocated.

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QUESTIONS, Page 2

Action 443289

QUESTIONS (continued)

Operator: GRAND BANKS ENERGY CO 310 W Wall St. Midland, TX 79701	OGRID: 155471
	Action Number: 443289
	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. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Socorro Hendry Title: Regulatory Manager Email: socorro.hendry@octane-energy.com Date: 03/17/2025
--	--

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QUESTIONS, Page 3

Action 443289

QUESTIONS (continued)

Operator: GRAND BANKS ENERGY CO 310 W Wall St. Midland, TX 79701	OGRID: 155471
	Action Number: 443289
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 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	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	380
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	7440
GRO+DRO (EPA SW-846 Method 8015M)	7440
BTEX (EPA SW-846 Method 8021B or 8260B)	3.4
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	09/18/2024
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 surface area (in square feet) that will be reclaimed	5320
What is the estimated volume (in cubic yards) that will be reclaimed	2500
What is the estimated surface area (in square feet) that will be remediated	5320
What is the estimated volume (in cubic yards) that will be remediated	2500
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 443289

QUESTIONS (continued)

Operator: GRAND BANKS ENERGY CO 310 W Wall St. Midland, TX 79701	OGRID: 155471
	Action Number: 443289
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	TNM-55-95 [fAB0000000061]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
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.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Socorro Hendry Title: Regulatory Manager Email: socorro.hendry@octane-energy.com Date: 03/17/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 443289

QUESTIONS (continued)

Operator: GRAND BANKS ENERGY CO 310 W Wall St. Midland, TX 79701	OGRID: 155471
	Action Number: 443289
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 443289

QUESTIONS (continued)

Operator: GRAND BANKS ENERGY CO 310 W Wall St. Midland, TX 79701	OGRID: 155471
	Action Number: 443289
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	433512
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	5
What was the sampling surface area in square feet	900

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	5320
What was the total volume (cubic yards) remediated	2500
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	5320
What was the total volume (in cubic yards) reclaimed	2500
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.
<i>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>	
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 Email: socorro.hendry@octane-energy.com Date: 03/17/2025

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QUESTIONS, Page 7

Action 443289

QUESTIONS (continued)

Operator: GRAND BANKS ENERGY CO 310 W Wall St. Midland, TX 79701	OGRID: 155471
	Action Number: 443289
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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

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CONDITIONS

Action 443289

CONDITIONS

Operator: GRAND BANKS ENERGY CO 310 W Wall St. Midland, TX 79701	OGRID: 155471
	Action Number: 443289
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	3/24/2025
amaxwell	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	3/24/2025
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	3/24/2025